



The 8th International Invention Innovation Competition in Canada

iCAN 2023 “THE FINALS” AWARD WINNERS



Toronto, Canada

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iCAN 2023 “THE FINALS” AWARD WINNERS LIST

The 8th International Invention Innovation Competition in Canada, iCAN 2023

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SEARCH INSTRUCTIONS

* Please note that this “Finals Award Winners List” **is more than 40 pages long** *

To easily find your nomination(s), use the search function by following the instruction below.



SEARCH TIP: Find your name or entry by



ISSUANCE OF AWARD CERTIFICATES

* Please note that all award certificates will be issued in the month of September in the order of applications submitted *

We ask for your kind patience as the iCAN Team will provide you the certificate scans with photos of awards by email in September.

* Shipping of iCAN 2023 Award Packages will also take place from the beginning of September in the order of applications.

Once your Award Package is shipped, you will be given a notification by email or from your representative / delegation / team leader.

Thank you for your kind attention and “Sincere Congratulations” to All Distinguished Winners!



No.	Country	Organization	Inventor(s)	Title of Invention
1	Hong Kong	Department of Chemistry, City University of Hong Kong / City University of Hong Kong, Shenzhen Research Institute	Thuc Hue Ly Liu Haijun	Ice-transfer for 2D materials
2	UAE	ANDIA	Mahmood Amandi Ruhallah Amandi Saeid Ahmadi	RampX
3	Malaysia	University Science Malaysia	MOHAMMED KHAALLEEFAH SALLEEM ALDOUFANI	The smart gate monitoring system
4	Canada	VRONTECH INC.	Shahab POUR MOHAMMAD MATOURI Payman KHOORPOUR	Methods and Systems for providing Occupational Health and Safety (OHS) Virtual Reality training modules
5	Thailand	Northfield Mount Hermon School (USA)	Jeerasak Jitrotjanarak Chavarat Wangweera	CareCamera
6	Qatar	Qatar University	Dr. Rajender Boddula Mrs. Ramyakrishna Pothu Mr. Ahmed Bahgat Radwan Dr. Noora H. S. Al-Qahtani	Green-house gas-free hydrogen-enriched syngas and carbon nanotubes separate production via CO ₂ reforming of methane by NiLa-alloy foams-based catalysts: Fill three needs with one deed
7	Malaysia	School of Education Studies & School of Computer Sciences, Universiti Sains Malaysia	Lei Mee THIEN Chia Yean LIM	PositiveSat: A Mobile-Based Positive School Attribute Assessment Application
8	Malaysia	Universiti Teknologi MARA	PROF. TS. DR. WAN ABDUL RAHIM BIN WAN MOHD ISA DR. AHMAD IQBAL HAKIM BIN SUHAIMI DR. NURULHUDA BINTI NOORDIN SITI SARAH BINTI HASSAN	A MOBILE GAME-BASED LEARNING APPLICATION ABOUT SEMAI PEOPLE (KENALI SEMAI)
9	Thailand	Montfort College	Mr. Pongnakorn Kunapornchaipong Miss Napatrapee Chaiwong Miss Nutnicha Kumwung Miss Paphada Pathomnatikul Mr. Panupong Uprajong	Premium Herbal with Eggshells scrub toothpaste for coffee and tea stain removal
10	Vietnam	LAO CAI HIGH SCHOOL FOR GIFTED STUDENTS	NGUYEN HOANG MINH NGUYEN DIEP ANH TRAN GIA HUY DO DUC ANH	SMART ATM ONLINE

11	Peru	Universidad San Ignacio de Loyola	Luciana de la Fuente Carmelino Ana María Muñoz Jáuregui Juana Patricia Lozada Huancachoque	Floor and small surface cleaner formula without water in its formulation presented in fast dissolving crystals with antibacterial effect
12	Thailand	College of Industrial Technology and Management, Rajamangala University of Technology Srivijaya	Mr. Chookiat Choosakul Miss. Khwanchiwa Yongsata Dr. Tawich Klathae Dr. Suporn Rittipuakdee Asst.Prof.Dr. Prachoom Khamput	Low Carbon Bricks
13	Egypt	High Institute of Engineering and Technology, Damietta, Egypt	Amro Sami Shalaan Al-Adham	Civil Engineering Thermometer (CET)
14	Brunei	Universiti Islam Sultan Sharif Ali	Zulfah Syauqina Hj Muhamad Fathinah Uzma binti Noorazmi Siti Nur Ameerah Syahirah binti Hj Azis Siti Nur Rabi'atul Adawiah binti Hj Abu Bakar Nor Surilawana Sulaiman	"Ali Pow Pow": An Explosion Flavour of Baby Food Seasonings for Your Little Ones
15	Vietnam	Le Quy Don Junior High School	Nguyen Thi Quynh Anh Dinh Ngoc Minh Chau Dang Hoang Ngan Nguyen Gia Nhi Hoang Quoc Trung	Translator for the Mute and the Deaf



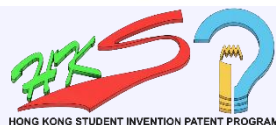
INTERNATIONAL SPECIAL AWARD
AZSCIENCES – USA



No.	Country	Organization	Inventor(s)	Title of Invention
1	Taiwan	ChenYiWuYu Eco-Technology Development Co., Ltd.	Chen Xiao-Dan	ChenYiYanXuan Fermented Annona Squamosa Collagen Peptide Drink
2	Turkey	N/A	YIGIT KAAAN KIZLIER	PREPARATION OF LIPOSOMS FOR USE IN THE TREATMENT OF GLIOBLASTOMA AND IN VITRO STUDIES
3	Taiwan	Biozyme Biotechnology Corp.	Cheng Huang Yi Chung Lai	Structure of Compound Bilayer Phospholipid Particles Slowing Unpaired Electron Generation and Evapotranspiration
4	Uzbekistan	Matyakubova Paraxat Mayliyevna	Matyakubova Paraxat Mayliyevna	Capacitive moisture meter for oil, oil products and bulk materials
5	Canada	VPOS CO., LTD.	Lance R. Davies	High Mobility E-Authentication and Registry Method for Point-of-Sale (POS) System

No.	Country	Organization	Inventor(s)	Title of Invention
1	Thailand	Naresuan University Secondary Demonstration School	Mr. Buddharak Sotana	The External Medicine Applicator
2	Thailand	Montfort College / Bunyawat / The Prince Royal's	Mr. Rapeepong Rairung Mr. Kongpob Sathorn Mr. Natthawat Samlee Mr. Ratchakrit Prasitthimee Miss Parachaya Muentabutra	Developing driver doze off detection system
3	Hong Kong	The Education University of Hong Kong	Dr Leung Ka Man Miss Wong Hiu To Miss Chan Ka Man	Sitting Light Volleyball and Its Functional Sports Garment
4	Malaysia	UNIVERSITY MALAYSIA PAHANG, UMP	PROFESSOR DR. ABDURAHMAN HAMID NOUR ASSOCIATE PROFESSOR DR. AZHARY HAMID NOUR ALI HASSAN ABDULRAHMAN AL-SAGGAF MOHD ARMAN BIN KADIR	A NOVEL DEMULSIFIER ND-20-02 ASSISTED MICROWAVE TECHNOLOGY FOR SEPARATION OF CRUDE OIL EMULSIONS
5	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas Néstor Corpus Vergara	Interactive electronic element for Covid-19 prevention and awareness-raising
6	Malaysia	Universiti Teknologi PETRONAS	Assoc. Prof. Dr. Nasreen Badruddin Assoc. Prof. Dr. Irraivan Elamvazuthi Assoc. Prof. Dr. Ibrahim Faye Rishu Gupta	EDiT: Enhanced Diagnostic Tool
7	Hong Kong	King's College	WAN Wai Long CHU Wai Pak LIU PeiKun YAU Yan Ngai	AgNPs and Natural dye-sensitized TiO ₂ NPs-catalyzed photo-oxidation in food waste treatment and its potential application in H ₂ production enhanced by Venturi effect
8	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Rohit Thomas Ir.Ts.Dr.Yvette Shaan-Li Susiapan Ir. Ts. Dr. Alexander Chee Hon Cheong	Alzhimex : Light therapy and gamification for Alzhiemer's
9	Malaysia	Universiti Sains Malaysia	Chia Wai Xuan Zarul Fitri bin Zaaba	MyKasihApp(MYA)

10	Hong Kong	The University of Hong Kong, Harbin Institute of Technology (Shenzhen), Ambr Tech Limited.	Shijing Luo Wending Pan Sarah K. W. Leong Yifei Wang Prof. Dennis Y.C. Leung	High-performance Flexible Al/Mg-ion Hybrid Batteries with Super-easy Fabrication
11	Thailand	Weerawatyothin School	Miss.Namthip Yuichantuek Miss.Kanokwan Taenkaew Miss.Kanchanasuda Phandee Mr.Kitsada Hong Mr.Thapakorn Poopewmake	SOUVENIRS SAVE WORLD
12	Thailand	Faculty Liberal Arts Rajamangala University of Technology Srivijaya (RUTS)	Tanwalai Chirandorn Uraiwan Phetkul	The extraction of beta-glucan from <i>Schizophyllum commune</i>
13	Vietnam	Nguyen Trai Gifted High School / Nguyen Du High School / Thai Thinh Secondary School / Ngo Si Lien Secondary School / Giang Vo Secondary School	Pham Dang Phuc Duong Nguyen Ngoc Van Oanh Le Ngoc Minh Chau Phung Khoi Nguyen Le Lam Anh	SYNTHESIS OF ZnO QUANTUM DOT AND APPLICATION IN DETERMINATION QUINOLONE ANTIBIOTIC
14	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Nitan Achayutthakan Ms.Noppawan Pravesvararat	Blink
15	Hong Kong	St. Mary's Canossian College	Wong Pik Wai Wong Yin Kiu	Metaversal Historical Buildings



INTERNATIONAL SPECIAL AWARD
Hong Kong Student Invention Patent Program (HKSIP)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Malaysia	SJKT KANGKAR PULAI	GOMATHY SANKARAN HABILHASHINI A/P ARUMUGAM HABINHAYA A/P ARUMUGAM KAYLLEINE JOANNE A/P SARAVANAN MARIA MIRASHINI A/P JAMES SHAASHINI A/P SANTNADASS	Organic Roselle Beauty Soaps
2	Thailand	Chiang Mai University Demonstration School / Montfort Collage / Wichai Wittaya School	Miss Wirada Rithikupt Master Worrapop Kampafang Master Pokpong Vichitsilp	Gel product from Moringa <i>Oleifera</i> Lam. Leaf extracts which has an anti-inflammatory effect of the skin
3	Malaysia	SMK Dato' Jaafar	Wan Yuan Yun / Agatha Ngee Hui Ci Wong Zhi Jia / Wong Minh Chjiat Isabelle	ACTRIC PAINT



INTERNATIONAL SPECIAL AWARD

Eurobusiness-Haller & Haller Pro Inventio Foundation



No.	Country	Organization	Inventor(s)	Title of Invention
1	Taiwan	GRAPE KING BIO	Chin-Chu Chen Chen Yen-Lien Lin Shin-Wei Chen Yen-Po Wu Szu-Yin	Use of Lactobacillus fermentum GKF3 for improving depression
2	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Ms. Natakaphon Apikasemsant Ms. Alicja Kramarczyk Ms. Nitcha Vitooraporn Ms. Pannaporn Thongcharoen	5-in-1 Page Turner
3	Peru	Universidad San Ignacio de Loyola	Luciana de la Fuente Carmelino Ana María Muñoz Jáuregui Juana Patricia Lozada Huancachoque	Fast-dissolving, compacted powder soap that dissolves quickly in the time required to ensure hand cleansing with moisturizing effect
4	Hong Kong	Shun Tak Fraternal Association Yung Yau College	LIU, KI MING MAN, CHAK CHUNG WU, CHI HUNG	SkyGuard: A Comprehensive Sky Quality Meter for Monitoring and Analyzing Light Pollution
5	Malaysia	Universiti Sains Malaysia	Lim Zhi Xuan Zarul Fitri bin Zaaba	MyDailyPrice (MDP)
6	Malaysia	International Islamic University Malaysia	Amal A.M. Elgharbawy (IIUM) Lama Al-afandi (IIUM) Najihah Mohd Noor (IIUM) Muhammad Zulhaziman Mat Salleh (UKM) Mohd Roslan Mohd Nor (UM) Adeeb Hayyan (UM)	A Novel Deep Eutectic Solvent Formulation for Enhanced Antimicrobial activity of Active Pharmaceutical Ingredients
7	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Rohit Thomas Ir.Ts.Dr.Yvette Shaan-Li Susiapan Ir. Ts. Dr. Alexander Chee Hon Cheong	Alzhimex : Light therapy and gamification for Alzheimer's
8	Thailand	Mahidol Wittayanusorn School	Pongsakorn Lohasiriwat Jirakit Jiraroenrat Panich Kamalaporn Sorachai Sae-Lim Pitak Chuawong	A simple assay to determine the type and quantity of alcohol in hand sanitizer

9	Taiwan	GREEN ENERGY NANO TECHNOLOGY CO., LTD / Innovation Incubation Center of Tri-Service General Hospital	LIANG, TIEN-SHOW MENG, EN CHERNG, JUIN-HONG	Golden cozy pillow
10	Thailand	Montfort College / Bunyawat / The Prince Royal's	Mr. Rapeepong Rairung Mr. Kongpob Sathorn Mr. Natthawat Samlee Mr. Ratchakrit Prasitthimee Miss Parachaya Muentabutra	Developing driver doze off detection system



INTERNATIONAL SPECIAL AWARD
Turkish Inventors Association (TÜMMIAD)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Korea	Samil Technical High School	KIMGIYOON	Automatic Posture Custom Motion Chair
2	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Pucuhuayla Revatta Félix Rogelio Contreras Cossio Jorge Luis Martínez Martínez Sergio Sánchez Márquez Carlos Augusto	Fruit washer with water use optimization system
3	Hong Kong	Yew Chung College of Early Childhood of Education (YCCECE)	Jockey Club 'CoolPlay' Project	JumpStarter
4	Thailand	Montfort College	Emika Wannaprateep Thanyarat Rangabpit Nasettapon Navapongsireetorn Titirat Rangabpit Kanchisa Wankanapol	The effect of temperature related to rate of foam-eating by Superworm
5	Hong Kong	King's College	WAN Wai Long CHU Wai Pak LIU PeiKun YAU Yan Ngai	AgNPs and Natural dye-sensitized TiO ₂ NPs-catalyzed photo-oxidation in food waste treatment and its potential application in H ₂ production enhanced by Venturi effect
6	Thailand	Montfort College Saint Gabriel's College Dara Academy	Mr. Tanawat Yen Cham Mr. Phusit Nanirattisai Miss Thunwarat Sridang Miss Natwalai Orachai punlap Mr. Putip Nganrungchotchoung	High efficiency Pet odor absorbent pads made from waste materials
7	Peru	La Molina National Agrarian University	Lawrence Enrique Quipuzco Ushñahua	ANAEROBIC DIGESTION SYSTEM FOR THE PRODUCTION OF BIOGAS RICH IN METHANE

8	Hong Kong	Shun Tak Fraternal Association Yung Yau College	LIU, KI MING MAN, CHAK CHUNG WU, CHI HUNG	SkyGuard: A Comprehensive Sky Quality Meter for Monitoring and Analyzing Light Pollution
9	Taiwan	GRAPE KING BIO, Chung Shan Medical University	Chin-Chu Chen Pei-Cheng Lin Han-Hsini Chang Lee Li-Ya Hsu Jui-Hsia	Cordyceps cicadae mycelia for the amelioration of cataract
10	Thailand	Dhonburi Rajabhat University Lampang Rajabhat University Srinakharinwirot University	Mr.Pannatorn Somsaruy Miss Nanthiya Somsaruy Mr.Direk Sueseekak	Bangkok's Khlong Bang Luang Art and Cultural Tourism Routes
11	Taiwan	TCI Co., Ltd.	Yung-Hsiang Lin	DelightTS Formula
12	Hong Kong	University of Hong Kong; Advanced Biomedical Instrumentation Centre Limited	Yang Cao Ho Cheung Shum	Ultrasensitive Rapid Antigen Tests
13	Peru	Universidad Continental	Yadhira Samhira Valenzuela Lino Jhon Rodrigo Ortiz Zacarias Sliver Ivan Del Carpio Ramirez Carlos Alberto Coaquira Rojo	Automated computer vision-based Tahitian lemon sorting machine
14	Taiwan	Taiwan Math/Science Circle (TWMC)	Yu-Hsiang, Chu Chun-Yu, Chu	Double Layered Cup (DLC)
15	Hong Kong	CMA Choi Cheung Kok Secondary School	AAMINA Farooq	Drinks Cover



INTERNATIONAL SPECIAL AWARD
Macao Innovation and Invention Association (MIAA)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Turkey	Ankara University	Seyed Javad Roudehchi Tabrizi Mrs. Samar GOLDOUZ	The Metaverse Smart Students' Desk
2	Canada	CALMICA INC.	CALMICA INC.	Application software for providing Virtual Reality content as a Pain Management Tool
3	Thailand	Chulalongkorn University Demonstration Secondary School	PABHADA ASAWAKARN	Dried Jelly Borax Test Kit
4	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas	Board game in the form of a ladder for teaching syllabication and accentuation rules in Spanish

5	Thailand	Faculty of Architecture and Planning, Thammasat University	Asst. Prof. Khiensak Seangklieng, Ph.D., ASA.	LCDsongkhla: An Innovative PARK with Dynamic Sustainability
6	Georgia/Spain	N/A	Giorgi Mikiashvili	Innovative and multifunctional electric wheelchair
7	Malaysia	MK FMHS, CITC. UTAR	Dr. Thaw Zin (In-charge) Dr. Aloysius Yapp Ms. Lim Chai Kim Dr. Avneet Kaur Esther Lau Yi Ci Natalie Wong Yong Xin Kiea Wei Shen Lim Siang Zhi	Integrating 3D CGI Animal Therapy, AI, and Pathfinding in a Game Engine for Improving Mental Health and Age-friendly Environment
8	Qatar	Qatar University	Prof. Noora Al-Thani Zubair Ahmed Jolly Bhadra Shahad Alkhair Azza Saad	An ingenious approach for teachers' professional development based on innovative research-based practices towards promoting scientific research culture in education
9	Romania	"Lucian Blaga" University of Sibiu, Romania	Aurel-Mihail ȚÎȚU Constantin OPREAN Ion MĂRGINEAN Alexandru-Marcel MOLDOVAN Adrian BOGORIN-PREDESCU	Hydro-electrical turbine linear unfolded on the streams
10	Peru	Universidad Privada del Norte	Contreras Cossio Jorge Luis	Disinfection and recharging station for cellular phones, for hospital institutions and others
11	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Pucuhuayla Revatta Félix Rogelio Contreras Cossio Jorge Luis	Automatic corn sheller
12	UAE	SIYAVOS	Siavash Zafar Esmaeili	The Mind-Controlled Artificial Leg and Knee
13	Lebanon	National Association for Science and Research (NASR)	Ali Al Hadi Tlais	Vehicle Safety System
14	Thailand	Shrewsbury International School Bangkok	Prema Yugala	Mosquitoes Away! Box
15	Indonesia	Sekolah Tinggi Ilmu Ekonomi Sabang (STIES) Banda Aceh	Ferdi Nazirun Sijabat M. Aulia Alfarezi Eliana Banta Karollah Parhan	Community Based Resource Sharing Platform (Co-Sharp)

No.	Country	Organization	Inventor(s)	Title of Invention
1	Taiwan	Biozyme Biotechnology Corp.	Cheng Huang / Yi Chung Lai / Bo Ru Lai	Particle structure of rutaceae plant fermentation broth with biomimetic stroma system
2	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Pattawan Piboontum Ms.Patteera Orapimpan Mr.Pitchakorn Orapimpan	Oh My Back!
3	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas Néstor Corpus Vergara	Covid-19 Interactive Symptom Monitoring Kit
4	Qatar	Qatar University Young Scientists Center, Qatar University	Dr. Deepalekshmi Ponnamma Swathi Gantha Azza Abouhashem Mohammed Al-Kuwari Yousef Al-Enazi	Green Energy Generation from Polylactic Acid Fiber Nanocomposites
5	Hong Kong	St. Mary's Canossian College	Lo Cheuk Sze Miriam Sum Wai Ching Safina Chu Hiu Ching Phoebe	Deli-gious
6	Taiwan	Shanxi Agricultural Valley BaoRenTang Food Co., Ltd.	Sun Yan-Jun	BaoRenTang Raisin Tree Hydrosol
7	Thailand	Wichai Wittaya	Mr.Narandet Rueangsri Mr.Supakorn Chuthathep Ms.Hakeema Prathanchai Ms.Arsia luksanaphirom Ms.Luanruthai Chuarchompoo	Underground Air Cooler
8	Peru	Universidad San Ignacio de Loyola	Luis Alejandro Marzano Barreda Luis Alberto Olivera Montenegro Xiomara Mireya Gaspar Huanca Ada Sophia Pacheco Gil	Method of production and formula for microbiological control and weight loss control for avocado (persea americana hass) using biopolymers and essential oil
9	Peru	Universidad Privada del Norte	Ruth Aracelis Manzanares Grados Kelly Ivanna Curasi Anchayhua Rubila Raquel Clemente Monago July Josefina Rodriguez Ubillus Lucia Ximena Pejerrey Florian	Procedure for the elaboration of a compostable organic material made from mealworm (<i>Tenebrio molitor</i>) and natural fiber made from Peruvian mountain pasture

10	Thailand	Chulalongkorn University Patumwan Demonstration School Srinakharinwirot University Chulalongkorn University Demonstration School, Secondary Division	Associate Professor Dr. Rachaneekorn Hongphanut Mr. Ratiwat Hongphanut Mr. Thanawin Hongphanut	Board Game for learning history “You Rock! Bangkokian Retracing the Way of the Bangkokian Taxpayer”. (Thai and English)
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INTERNATIONAL SPECIAL AWARD
Romanian Inventors Forum (FIR)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Korea	Seoul Scholars International	Hyunseo Cho	Protective Effect of EGCG Against SH-Induced Cell Death in a Human Glial Cell Model of Alzheimer's Disease
2	Thailand	Ruamrudee International School	Mr. Kritpaul Prasattongsoth	Clinic Connect Application
3	Hong Kong	University of Hong Kong; Advanced Biomedical Instrumentation Centre Limited	Yang Cao Ho Cheung Shum	Ultrasensitive Rapid Antigen Tests
4	Malaysia	UniKL BMI Gombak, Selangor	Muhammad Firdhaus Sanusi Mohd Zaki Ayob	Fish Measurement System
5	Thailand	Department of Educational Technology and Communications, Faculty of Education Chulalongkorn University, Bangkok Thailand	Prof. Dr.Noawanit Songkram Assoc. Prof. Dr. Nutthakorn Songkram Dr. Sarun Chattunyakit Assist Prof. Dr.Narongpon Aulpaijidlul Dr. Supattraporn Upapong	Khun Sean: Smartbot computational thinking and empowering to promote computational science skills for primary school students
6	Thailand	Wichai Wittaya	Mr.Narandet Rueangsri Mr.Supakorn Chuthathep Ms.Hakeema Prathanchai Ms.Arsia luksanaphirom Ms.Luanruthai Chuarchompoo	Underground Air Cooler
7	Hong Kong	The Education University of Hong Kong	Dr Song Yanjie Prof Yu Leung Ho Philip Prof Lee Chi Kin John Dr Fu Hong Mr Wu Kaiyi Mr Cao Jiaxin	Learningverse - a 3D metaverse for online collaborative learning
8	Hong Kong	The University of Hong Kong	Zhenglong Li Vincent Tam Lawrence Yeung	Multi-RiPO: A Multimodal Risk-Manageable Portfolio Optimization Platform for Automated Algorithmic Trading

9	Thailand	Chulalongkorn University Demonstration Secondary School	Kandit Kornmatitsuk	3D-printed UV light-emitting diode (<i>Culicoides</i>) trap
10	Thailand	Montfort College	Mr. Nuntawat Ta-In Mr. Nutthanon Suntigul Mr. Poonpiti Pongsirirushkul Mr. Prameachita Daolert Miss Siripapha Panturaporn	Activated carbon encapsulated garlic extract solution for antibacterial in fish tank



INTERNATIONAL SPECIAL AWARD
Korea University Invention Association (KUIA)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Canada	VRONTECH INC.	Shahab POUR MOHAMMAD MATOURI Payman KHOORPOUR	Methods and Systems for providing Occupational Health and Safety (OHS) Virtual Reality training modules
2	Thailand	Naresuan University Secondary Demonstration School	Mr. Buddharak Sodtana	The External Medicine Applicator
3	Hong Kong	The Hong Kong Polytechnic University	Bingang Xu Yuanyuan Gao Meiqi Li Yitong Wang	Sustainable Self-powered Functional Textiles
4	Moldova	Institute of Microbiology and Biotechnology of Technical University of Moldova / Scientific and Practical Institute of Biotechnologies in Zootechnics and Veterinary Medicine of Moldova	Rotari Doina Darie Grigore Chiselița Natalia Chiselița Oleg Efremova Nadejda Beșliu Alina	Protective medium for ram semen preservation by refrigeration
5	Malaysia	Universiti Sains Malaysia	Chia Wai Xuan & Zarul Fitri bin Zaaba	MyKasihApp(MYA)
6	Vietnam	Vietnam Institute of Agricultural Engineering and Post-Harvest Technology	PHAM ANH TUAN	Vacuum frying equipment system works continuously
7	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas	Aerocamera for drug inhalation
8	Thailand	Northfield Mount Hermon School (USA)	Jeerasak Jitrotjanarak Chavarat Wangweera	CareCamera

9	Thailand	Prasarnmit Demonstration School Secondary	Sriyupa Bahalayodhin Nayaphat Amrarong Pichamont Jarukamjorn	MicroDentalTip
10	Vietnam	Le Quy Don Junior High School	Nguyen Thi Quynh Anh Dinh Ngoc Minh Chau Dang Hoang Ngan Nguyen Gia Nhi Hoang Quoc Trung	Translator for the Mute and the Deaf



INTERNATIONAL SPECIAL AWARD
The First Institute of Inventors and Researchers in I.R. IRAN (FIRI)



No.	Country	Organization	Inventor(s)	Title of Invention
1	Philippines	CB Engineering Services Inc.	Cageo D. Berongoy Ricardo S. Jardin	Multi-Functional Circuit Breaker
2	Brunei / Malaysia	Universiti Islam Sultan Sharif Ali (UNISSA) / Universiti Putra Malaysia (UPM)	Prof. Dr. Ahmed Osumanu Haruna Dr. Liza Nuriati Lim Kim Choo Dr. Latifah Binti Omar Dr. Adiza Alhassan Musah Assoc. Prof. Dr. Rose Abdullah Ng Ji Feng Dr. Syahirah Binti Haji Shahlehi	Nature Inspired Solutions for Healthy Soils and Healthy Food
3	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Nathan Chalokepunrat Master Nagan Chalokepunrat	Happy Pill Dispenser
4	Hong Kong	Shun Tak Fraternal Association Yung Yau College / Chong Gene Hang College	DENG, WEICONG MAN, CHAK CHUNG CHEUNG, KONG FUNG	Nature's Power: Harnessing the Oil-fighting Abilities of Pomelo for Effective Cleaning
5	Sri Lanka	The Open University of Jaffna	Harichandra Khalingarajah	An automated faucet with an integral liquid washing dispenser for regulated handwashing
6	Malaysia	SJKT KANGKAR PULAI	GOMATHY SANKARAN HABILHASHINI A/P ARUMUGAM HABINHAYA A/P ARUMUGAM KAYLLEINE JOANNE A/P SARAVANAN MARIA MIRASHINI A/P JAMES SHAASHINI A/P SANTNADASS	Organic Roselle Beauty Soaps

7	Thailand	Ruamrudee International School (RIS)	Pornprapat (Pan) Jirapojaporn	Saveomatic
8	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Prof. Ir. Eur. Ing. Ts. Dr. Vinesh Thiruchelvam Assoc. Prof. Ir. Dr. Siva Kumar Sivanesan Ng Joo Kiat Cheng Yi Heng	RescueAi – Disaster Metaverse with Robotic Autonomy
9	Thailand	Montfort College	Emika Wannaprateep Thanyarat Rangabpit Nasettapon Navapongsireetorn Titirat Rangabpit Kanchisa Wankanapol	The effect of temperature related to rate of foam-eating by Superworm
10	Vietnam	Tuyen Quang Gifted High School	Le Thao Uyen Nguyen Le Viet Hoang	Flame-retardant hydrogel from renewable sources of material - natural compounds



INTERNATIONAL SPECIAL AWARD
Norton University (NU) – Cambodia



No.	Country	Organization	Inventor(s)	Title of Invention
1	USA	The University of Arizona	Sara Sheikhlary	Herbostroidine: An Herbal-Based Radioprotective Drug Against I-131 and Sr90 Radioactive Elements with Dual Actions
2	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Contreras Cossio Jorge Luis Pucuhuayla Revatta Félix Rogelio Martínez Martínez Sergio	Hybrid mobile device for roadside fence conditioning
3	Canada	DEBICAN INC.	Farshid KHODADADIAN ASHTIYANI Saeed JAMALI	METHODS AND SYSTEMS FOR PROVIDING A VIRTUAL ENVIRONMENT FOR CHILDREN TO LEARN MONEY MANAGEMENT
4	Thailand	Chulalongkorn University / Patumwan Demonstration School / Srinakharinwirot University / Chulalongkorn University Demonstration School, Secondary Division	Associate Professor Dr. Rachaneekorn Hongphanut Mr. Ratiwat Hongphanut Mr. Thanawin Hongphanut	Board Game for learning history “You Rock! Bangkokian Retracing the Way of the Bangkokian Taxpayer”. (Thai and English)
5	Russia	N/A	Viktor Bilak PhD Anna Matiushkina	Rotating Color Circles, Bi-Luck®

No.	Country	Organization	Inventor(s)	Title of Invention
1	Algeria	N/A	BENTERKI MOHAMED SADEK	Mécanisme de propulsion de véhicules à propulsion humaine par des leviers qui pivotent sur un axe horizontal et/ou deux axes verticaux parallèles et symétriques
2	Japan	Yamaguchi University / Keishin Middle School / Kotoshiba Elementary School	MD. AZIZUL MOQSUD AHYAN HISAN AZIZ AFNAN AMMAR AZIZ	Bio-battery system for bioelectricity generation with kitchen garbage, soil and living plants
3	Macedonia	Yahya Kemal College	Dea Despotovska Nina Lameva	SOLAR POWERED ENERGY EFFICIENT OXYHYDROGEN GENERATOR
4	Lebanon	Almostafa Robotics Club	Hasan Harb Rola Bazzi	Titrobot
5	Canada	CALMICA INC.	CALMICA INC.	Application software for providing Virtual Reality content as a Pain Management Tool
6	Hong Kong	The Education University of Hong Kong	TREE BEAR Limited Headset Limited	Revolutionizing Early Childhood Education with Vision AI-led Games for Active Learning and Balanced Technology Usage
7	Philippines	Manuel A. Roxas High School	Carl Joseph N. Avec Jaeme A. Fernandez Robinne Isabelle A. Sierra Rico Antonio S. Mariano	Acetone and Cigarette Filters as an Alternative Paper Glue
8	Peru	Universidad Privada del Norte	Ruth Aracelis Manzanares Grados Lucia Ximena Pejerrey Florian Jessica Porras Real Jose Anthoni Paredes Alarcón	Procedure and Composition to obtain a fertilizer type cover for a utility pen from the shell of Inga feuilleei
9	Vietnam	Luong The Vinh High School Nguyen Binh Khiem Secondary School Ngo Si Lien High School Lake Forest Academy, USA	Pham Minh Duc Nguyen Thanh Minh Tran Ba Nhat Minh Phung An Hieu Nguyen Phuong Linh Nguyen Minh Son	Advancing the Design of an Automated Nuchal Translucency Measurement Method and its Implications in Prenatal Screening for Congenital Malformations
10	Philippines	CB Engineering Services Inc.	Cageo D. Berongoy Ricardo S. Jardin	An Obtain Aratiles Fruit Juice



INTERNATIONAL SPECIAL AWARD

National Association for Science and Research (NASR), Lebanon



No.	Country	Organization	Inventor(s)	Title of Invention
1	Vietnam	Ngo Van So Secondary School Lao Cai High School No.3	Nguyen Dang Minh Quan Tran Huyen Tram Dang Ngoc Lam	Machine Helps Blind People Read Text in Books and Website
2	Malaysia	LABUAN INTERNATIONAL SCHOOL	ADI JOHAN ABDULLAH LAURA ALYSSA DIONYSIUS DERRICK TAN KENG HOW SALLY NG SHUN YEE JURY TISE (Teacher- in -charge)	CoPaCrete: Eco-friendly brick from agricultural waste
3	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas Néstor Corpus Vergara	Covid-19 Interactive Symptom Monitoring Kit
4	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Cajun Tai Ka Joon Trishah Rajendran Krishna Ravinchandra	Fresh Fruit Bunch (FFB) harvest detection Drone for Palm Plantation
5	Algeria	N/A	EL MEHADI AMIN	Urine trace detector in diapers
6	Malaysia	UniKL BMI Gombak, Selangor	Muhammad Firdhaus Sanusi Mohd Zaki Ayob	Fish Measurement System
7	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Mr. Thantham Jittham Ms. Pimbisa Bisalputra Ms. Warinsaya Sereepapong Ms. Pichphanita Mathasuriyapong	Specialized Cleaning and Residue Unveiling Bot (S.C.R.U.B.)
8	Vietnam	LAO CAI HIGH SCHOOL FOR GIFTED STUDENTS	NONG THUY LINH DAM HUYEN TRAN DO CHI BACH	Applying artificial intelligence AI to create traffic light system according to real time and moving priority in Viet Nam
9	Thailand	Chiang Mai University Demonstration School	Miss Pinyapat Prisananuntakul Miss Arachaporn Malimas Miss Phannapat Promchan Master Jirawat Kengka Miss Papichaya Makpon	Pelleted product for Pink lady rice which has anti-cancer activities to reduce risk of developing lung cancer

10	Thailand	Montfort College	Siriyakorn SaeJew Sirin Tansuwanarajana Phrachya Kangonta Apiwit Autchariinsee	Comparative study of the efficacy in garlic, shallot, and onion on the Elimination of skull caterpillars for social and public benefit development
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INTERNATIONAL SPECIAL AWARD
Highly Unique Innovative Foundation (HIUF), Saudi Arabia



No.	Country	Organization	Inventor(s)	Title of Invention
1	Georgia/Spain	N/A	Giorgi Mikiashvili	Innovative and multifunctional electric wheelchair
2	Philippines	Rizal Inventors and Innovators Society Inc.	Cageo D. Berongoy & Ricardo S. Jardin	Bark Scale Anti Cancerous Lesion
3	Hong Kong	Department of Chemistry, City University of Hong Kong / City University of Hong Kong, Shenzhen Research Institute	Thuc Hue Ly Liu Haijun	Ice-transfer for 2D materials
4	Malaysia	SJKT KANGKAR PULAI	GOMATHY SANKARAN SHARWIN A/L K KALITHAS YUVAN MUNISHWARAN A/L POOBALAN RISHVAN A/L SELVARAJAN VETRIVEL A/L MAYATHEVAN	BIO GONG COFFEE
5	Philippines	PARTIDO STATE UNIVERSITY-Tinambac Campus	MICHAEL C. BARBECHO Romeo B. Morcilla Neonita B. Palmaria	FRONT DRIVE POWER TRAIN AND SUSPENSION MECHANISM FOR THREE-WHEELED ELECTRIC VEHICLE
6	Malaysia	UNIVERSITY MALAYSIA PAHANG, UMP	PROFESSOR DR. ABDURAHMAN HAMID NOUR ASSOCIATE PROFESSOR DR. AZHARY HAMID NOUR ALI HASSAN ABDULRAHMAN AL-SAGGAF DR. NORASYIKIN ISMAIL	A HYBRID ULTRASONIC MEMBRANE ANAEROBIC SYSTEM (UMAS) IN TREATING WASTEWATER
7	Hong Kong	Xon Vision Limited	Zhiqin CHU Yau Chuen YIU Tongtong ZHANG	Diamond-mediated optical anticounterfeiting solution
8	Thailand	Wichai Wittaya	Patarapol Lorsomradee Nititorn Thiyanan Chayotid Yachawanna Pratch Khonsung Pasittass Kumkiat	Self-Filtering Powered Safety Helmet for Bicycles and Motorbikes

9	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas	Gradual leg elevator for improved blood flow
10	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Pucuhuayla Revatta Félix Rogelio Contreras Cossio Jorge Luis	Automatic corn sheller



INTERNATIONAL SPECIAL MEDAL AWARD
Satit Chula Innovation Society, Thailand



No.	Country	Organization	Inventor(s)	Title of Invention
1	Canada	University of Toronto Schools	Ke Xin Xu	Trash Compactor
2	Peru	N/A	MARCOS ANIBAL VERA BARRIOS	Trigonometer
3	Qatar	Qatar University Young Scientists Center, Qatar University	Dr. Abdul Shakoor Zawar Qureshi Muntaha Elsadig Azza Abouhashem Nouf Alemadi Naeema Alfakhroo	INVESTIGATING THE PERFORMANCE OF NOVEL LiMn ₂ O ₄ -MXene (Ti ₃ C ₂) NANOCOMPOSITE CATHODES FOR LITHIUM-ION BATTERIES
4	Lebanon	Notre Dame de Jamhour School	Raymond Karam Raymond Khoury Marcelino Berbary Georges Sleilati Daniel Chahine Karl Bechara	The Alzheimer Robot
5	Philippines	MANILA SCIENCE HIGH SCHOOL	JUSTIN KURT E. TIN	Trilby Operating System
6	Vietnam	Hanoi-Amsterdam High school for the Gifted, Hanoi, Vietnam / Waterloo Collegiate Institute, Waterloo, ON, CANADA	THIEN LUONG NGUYEN DIEU ANH LE SONG THU LE THI DIEU LINH (LYN) NGUYEN DAI NAM ANH HOANG	Graphene Oxide-Based Material: A Green Adsorbent for Sustainable Development and Renewable Energy
7	Peru	Universidad Nacional Toribio Rodríguez de Mendoza	Carlos Alberto Farje Gallardo Wilson Manuel Castro Silupu Franz Tito Coronel Zubiata Loyda Luz Guevara Castañeda	TONGUE CLEANING DEVICE

8	Hong Kong	The Hong Kong Polytechnic University	Bingang Xu Yuanyuan Gao Meiqi Li Yitong Wang	Sustainable Self-powered Functional Textiles
9	Qatar	Qatar University	Alfajer M. Alrasheed Fatima A. Alemadi Ala Hussam Alardah Dr. Sumalatha Bonthula Dr. Enas Fares Dr. Rajender Boddula Mr. Ahmed Bahgat Radwan Dr. Noora H. S. Al-Qahtani	Evaluation of the Anti-Soiling Performance of Al ₂ O ₃ Nanomaterial Coating on Glass Substrates for photovoltaic cells
10	Malaysia	SJKT KANGKAR PULAI	GOMATHY SANKARAN SHARWIN A/L K KALITHAS YUVAN MUNISHWARAN A/L POOBALAN RISHVAN A/L SELVARAJAN VETRIVEL A/L MAYATHEVAN	BIO GONG COFFEE



INTERNATIONAL SPECIAL TROPHY AWARD
Satit Chula Innovation Society, Thailand



No.	Country	Organization	Inventor(s)	Title of Invention
1	Korea	CBK Choi Youngkyun Dental Clinic (Choi Byung Kee dental clinic)	Ph.D. Youngkyun Choi Ph.D. Byung Kee Choi	CBK splint
2	Malaysia	JUNGLE SCHOOL GOMBAK MALAYSIA, IUM JSI AND AAD KAED	ASST PROF DR NORZALIFA ZAINAL ABIDIN KALAM PIE NURUL AINA SUHAILA MOHD NIZA	JUNGLE SCHOOL INDIGENOUS GREEN OUTREACH- "MENGGHIJAU"- EMBRACING OUR LIVING HERITAGE

No.	Country	Organization	Inventor(s)	Title of Invention
1	Canada	Hotrock Innovations Inc.	Glen W J Hammond	Hotrock Griddle
2	Hong Kong	The Education University of Hong Kong	Prof Chow Cheuk Fai	Nano-Sensor System for Meat and Seafood Monitoring
3	Canada	University of Toronto Schools	Ke Xin Xu	Trash Compactor
4	Peru	N/A	Esgard Salcedo Huaman	CONCRETE MIXING PUMP WITH FOAM DOSER FOR CELLULAR CONCRETE
5	Hong Kong	University of Hong Kong	Yanmin Zhu Yuxing Li Jianqing Huang Yunping Zhang Edmund Y. Lam	Intelligent polarization holographic probe for real-time microplastic identification
6	Vietnam	Chu Van An High School / Hanoi-Amsterdam High School for the Gifted / Nguyen Thi Minh Khai High School	DANG CHI BANG VU VIET NGUYEN LA NGUYET AN VU KHANH UYEN	MODEL OF DEVICE WHICH APPLIES ULTRASONIC WAVES TO CONCENTRATE HONEY AND FISH SAUCE AT LOW TEMPERATURE
7	Thailand	NIST International School of Thailand	JIRANAT CHAIYOSBURANA	M-Shield ION Brick
8	Malaysia	UNIVERSITY MALAYSIA PAHANG, UMP	PROFESSOR DR. ABDURAHMAN HAMID NOUR ASSOCIATE PROFESSOR DR. AZHARY HAMID NOUR ALI HASSAN ABDULRAHMAN AL-SAGGAF MOHD ARMAN BIN KADIR	A NOVEL DEMULSIFIER ND-20-02 ASSISTED MICROWAVE TECHNOLOGY FOR SEPARATION OF CRUDE OIL EMULSIONS
9	Hong Kong	The University of Hong Kong	Zhenglong Li Vincent Tam Lawrence Yeung	Multi-RiPO: A Multimodal Risk-Manageable Portfolio Optimization Platform for Automated Algorithmic Trading
10	Thailand	Montfort College	Mr. Narit Nitjapan Miss Pongmanee Phromchana Miss Naphattra Pripwai Miss Napaphat Datpratoom Mr. Tananop Panyamoonwongsa	Antifungal spray from basil leaves extract applied for handicraft products made from natural fibers

- END OF INTERNATIONAL SPECIAL AWARDS SELECTIONS -

- CANADIAN SPECIAL AWARDS SELECTIONS ON NEXT PAGE -



CANADIAN SPECIAL AWARD
Inventors College Organization (ICO) – Toronto, Canada



No.	Country	Organization	Inventor(s)	Title of Invention
1	Hong Kong	King's College	Marcus Hok Yin CHEUNG TAM Man Shun	Home cooking method analyzer: AI App for Health Suggestions based on experimental data from self-designed polarimeter
2	Peru	Universidad Privada del Norte	Contreras Cossio Jorge Luis	Disinfection and recharging station for cellular phones, for hospital institutions and others
3	Philippines	Rizal Inventors and Innovators Society Inc.	Cageo D. Berongoy Ricardo S. Jardin	Bark Scale Anti Cancerous Lesion
4	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Miss Rawin Choocharukul Master Pasan Sanpanawat Miss Thanhathai Jittham Master Pawin Rungrojchaipon	SAS Smart Alert Sensor
5	USA	HIAT, Inc	Dr Ashour Ghelichi Fred Asli	Rapeseed platform using wind wall technology and controlled guidance of the product at harvest time
6	Hong Kong	The Hong Kong Polytechnic University	SHOU Dahua LAM Chak Wai GU Yuheng	iActive: Intelligent Active-Perspiration Activewear
7	Hong Kong	St. Mary's Canossian College	Wong Pik Wai Wong Yin Kiu	Metaversal Historical Buildings
8	Thailand	Department of Chemistry, Faculty of Science, Ramkhamhaeng University	Assistant Professor Dr. Jariya Romsaiyud Mr. Naraphatra Saemram Yorkoon Osot Co., Ltd. Siamprai Plus (INTER) Co., Ltd.	Thai CoolSoothe Herbal Massage Cream with Nano Encapsulation Technology
9	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas	Gradual leg elevator for improved blood flow
10	Thailand	Shrewsbury International School Bangkok Riverside	Thanadol Wangwijit	Power Generator Module for Elephant Tracker

No.	Country	Organization	Inventor(s)	Title of Invention
1	Sweden	Nano Control AB	Dr. Adrian Jose Cabezas Morales	New technology to remove micro and nanoparticles from exhaust emissions
2	UAE	ANDIA	Ruhallah Amandi	AI Actor
3	Tunisia	Tunisian Association for the Future of Sciences and Technology (ATAST)	Hatem SLIMANE Alaa BOUHAOUJEL	Renovation of olive cultivation sector using artificial intelligence
4	Saudi Arabia	Department of Pharmaceutical Chemistry, Faculty of Pharmacy, King Abdulaziz University / Dept. of Hematology, MSF for Medical Research and Development	Dr. Maha Ibrahim Prof. Alaa Eldin M. Khedr Dr. Ammar Bayoumi	COMPOSITIONS AND METHODS FOR TREATMENT OF ADDICTION WITHDRAWAL SYMPTOMS
5	Poland	Lodz University of Technology	Zofia Kula Leszek Klimek	Modified light-curing composite for dental fillings and its application
6	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Miss Rawin Choocharukul Master Pasan Sanpanawat Miss Thanhathai Jittham Master Pawin Rungrojchaipon	SAS Smart Alert Sensor
7	Cambodia	Norton University	Mr. Chan Mithona Ms. Poly Pheary Mr. Leang Sengthai Ms. Ratha Sophanith Ms. Poly Pheanin	AUTO PLASTIC BOTTLE BANK
8	Iran	Iran Frame Co Research and Production Complex	Eng. Mohammad Keyhani Eng. Davoud Beheshtizadeh Eng. Alisalar Keyhani	Designing and Manufacturing of High-Strength Recycled Concrete Using Construction Debris and Waste from The Construction Industry (Green Concrete)
9	Algeria	N/A	EL MEHADI AMIN	Urine trace detector in diapers
10	Hong Kong	The Education University of Hong Kong	Dr Steve Mung Wai-yin Linked-Technologies Limited	Fall Detection System for Smart City
11	Sri Lanka	SRI LANAKA INVENTORS COMMISSION	Wijayapala WELGAMA K. Anton Chrisan Peiris	S.O.S WRIST LIGHT (HUMAN SAFETY)
12	Japan	Yamaguchi University / Keishin Middle School / Kotoshiba Elementary School	MD. AZIZUL MOQSUD AHYAN HISAN AZIZ AFNAN AMMAR AZIZ	Bio-battery system for bioelectricity generation with kitchen garbage, soil and living plants
13	Canada	Hotrock Innovations Inc.	Glen W J Hammond	Hotrock Griddle
14	Hong Kong	CMA Choi Cheung Kok Secondary School	NASIR Amina	Universal-Sketch

15	Malaysia	Universiti Teknologi PETRONAS	Assoc. Prof. Dr. Nasreen Badruddin Assoc. Prof. Dr. Irraivan Elamvazuthi Assoc. Prof. Dr. Ibrahima Faye Rishu Gupta	EDiT: Enhanced Diagnostic Tool
16	Canada	University of Toronto Schools	Ke Xin Xu	Trash Compactor
17	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Nitan Achayutthakan Ms.Noppawan Pravesvararat	Blink
18	Cambodia	Norton University	Dr. So Sokuntheary / Mr. Chuop Sopheak / Mr. Mao Sothea / Mr. Chhuon Virak / Mr. Lim Thiden	SMART ELECTRIC MINI BUS
19	Saudi Arabia	King Saud University	Renad Al-Hussein	Sound Detector for Deaf People While Driving
20	Indonesia	SMAN 2 SEMARAPURA	Ni Putu Revalia Putri Santosa Ni Kadek Cahya Dwica Septira I Kadek Ergi Pramana Jaya Ni Komang Triska Saraswati Made Angga Candra Wardana Gede Wikananda Baruna	BIOPiS: THE UTILIZATION OF ARECA FRUIT PEEL WASTE (<i>Areca Catechu L.</i>) AND SAGO STARCH (<i>Metroxylon Sago</i>) AS MATERIALS FOR BIOFOAM
21	Thailand	Chulalongkorn University Demonstration Secondary School	Ms. Pryn Julnual Ms. Chutirada Santivorapong Mr. Weerawin Vaitoonkiat Mr. Yasintorn Poonyavanich	Narcolepsycue: Device for Preventing Drowsy Driving
22	Romania	Stefan cel Mare University of Suceava	Laurențiu-Dan MILICI Ciprian BEJENAR Ilie NIȚAN Oana-Vasilica GROSU Dragoș-Ionuț VICOVEANU Laura-Cătălina DOSPINESCU Mariana-Rodica MILICI Artiom MOLDOVAN	INTELLIGENT SYSTEM FOR GRIP ENHANCEMENT
23	Poland	Lublin University of Technology	Anna Rudawska Izabela Miturska-Barańska Ełżbieta Doluk Arkadiusz Gola	Retaining and fixing holder, especially overlap adhesive joint
24	Sri Lanka	The Open University of Jaffna	Harichandra Khalingarajah	An automated faucet with an integral liquid washing dispenser for regulated handwashing
25	Russia	N/A	Viktor Bilak & PhD Anna Matiushkina	Rotating Color Circles, Bi-Luck®
26	Thailand	NIST International School of Thailand	JIRANAT CHAIYOSBURANA	M-Shield ION Brick
27	Turkey	Ankara University	Seyed Javad Roudehchi Tabrizi	Smart Safety-Enhancing Mobility Components ((SSMC))

28	Hong Kong	ZenxTag Technology Limited	Prof. LAM Hon Wah	Smart Food Label - Chemosensing testing material for the detection of biogenic amines in high-protein food
29	Canada	DEBICAN INC.	Farshid KHODADADIAN ASHTIYANI Saeed JAMALI	METHODS AND SYSTEMS FOR PROVIDING A VIRTUAL ENVIRONMENT FOR CHILDREN TO LEARN MONEY MANAGEMENT
30	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Ms. Natakaphon Apikasemsant Ms. Alicja Kramarczyk Ms. Nitcha Vitooraporn Ms. Pannaporn Thongcharoen	5-in-1 Page Turner
31	Hong Kong	Xon Vision Limited	Zhiqin CHU Yau Chuen YIU Tongtong ZHANG	Diamond-mediated optical anticounterfeiting solution
32	Malaysia	MK FMHS, CITC. UTAR	Dr. Thaw Zin (In-charge) / Dr. Aloysius Yapp / Ms. Lim Chai Kim / Dr. Avneet Kaur / Esther Lau Yi Ci / Natalie Wong Yong Xin / Kiea Wei Shen / Lim Siang Zhi	Integrating 3D CGI Animal Therapy, AI, and Pathfinding in a Game Engine for Improving Mental Health and Age-friendly Environment
33	Peru	Universidad San Ignacio de Loyola	Luciana de la Fuente Carmelino Ana María Muñoz Jáuregui Juana Patricia Lozada Huancachoque	Emulsion type cosmetic cream for face and body with moisturizing effect formulated with Oenocarpus mapora H. Karst (SINAMI) oil
34	Peru	UNIVERSIDAD PRIVADA DEL NORTE	JORGE LUIS CONTRERAS COSSIO	SYSTEM FOR THE IDENTIFICATION OF SAFETY SIGNS FOR THE VISUALLY IMPAIRED
35	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Mr. Thantham Jittham Ms. Pimbisa Bisalputra Ms. Warinsaya Sereepapong Ms. Phichphanita Mathasuriyapong	Specialized Cleaning and Residue Unveiling Bot (S.C.R.U.B.)
36	Thailand	Ruamrudee International School	Patcharipa Jeerapat	Ama Wheels
37	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Nathan Chalokepunrat Master Nagan Chalokepunrat	Happy Pill Dispenser
38	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Waranyu Kittithawornkul	Wellbeing Connect
39	Vietnam	Hanoi-Amsterdam High school for the Gifted, Hanoi, Vietnam / Waterloo Collegiate Institute, Waterloo, ON, CANADA	THIEN LUONG NGUYEN DIEU ANH LE SONG THU LE THI DIEU LINH (LYN) NGUYEN DAI NAM ANH HOANG	Graphene Oxide-Based Material: A Green Adsorbent for Sustainable Development and Renewable Energy

40	Qatar	Moza Primary School for Girls / Ministry of Education and Higher Education	Ghala Nasser H A Alobaidly	Simple, Yet Effective Way to Reduce Diseases Transmission
41	Thailand	Chulalongkorn University Demonstration Secondary School	Mr.Saral Assabumrungrat Ms.Salynsha Jirapunyawong Ms.Karnsinee Jaksemasatitkul Mr.Pheerawas Worawichayawiwat	Cycloud
42	Romania	National Institute of Research and Development for Optoelectronics INOE 2000	Alina Vladescu (Dragomir) Anca C. Parau Catalin Vitelaru Lidia R. Constantin Iulian Pana / Mihaela Dinu	Biocompatible thin films based on thin metallic glasses used in orthopedy, A00544/07.09.2022
43	Thailand	Montfort College	Mr. Nuntawat Ta-In Mr. Nutthanon Suntigul Mr. Poonpiti Pongsirirushkul Mr. Prameachita Daolert Miss Siripapha Panturaporn	Activated carbon encapsulated garlic extract solution for antibacterial in fish tank
44	Malaysia	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Ts. Dr. Suliadi Firdaus Sufahani Miss Wan Noor Afifah Wan Ahmad Assoc. Prof. Dr. Mohd Saifullah Rusiman Prof. Ir. Ts. Ruzairi Abdul Rahim Assoc. Prof. Ts. Dr. Anuar Mohd Yusof	Solving The Royalty Payment Problem Through SANBR-Algorithm
45	Hong Kong	The University of Hong Kong, Harbin Institute of Technology (Shenzhen), Ambr Tech Limited.	Shijing Luo Wending Pan Sarah K. W. Leong Yifei Wang Prof. Dennis Y.C. Leung	High-performance Flexible Al/Mg-ion Hybrid Batteries with Super-easy Fabrication
46	Malaysia	KOLEJ KOMUNITI JELEBU	NUR HANIM BINTI OTHMAN NORSHAHIRA BINTI KAMARZAMAN SITI NOOR AISHAH BINTI ABDUL LATIF SABRI	HalalFactory SetPro (HSPro)
47	Hong Kong	Shun Tak Fraternal Association Yung Yau College / Chong Gene Hang College	DENG, WEICONG MAN, CHAK CHUNG CHEUNG, KONG FUNG	Nature's Power: Harnessing the Oil-fighting Abilities of Pomelo for Effective Cleaning
48	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Laypakorn Crueasom Miss Avieka Khlaisang Miss Sunattida Matavarakorn Miss Wynnycha Chottirapong Mister Jeerasak Jitrotjanarak	Magic Flexi: Enhancing Practicality & Hygiene in Portable Dining

49	Peru	N/A	Esgard Salcedo Huaman	CONCRETE MIXING PUMP WITH FOAM DOSER FOR CELLULAR CONCRETE
50	Peru	Bioservice SRL	Ysabel Koga Arnaldo Alvarado Robert Tinoco	Biological insecticide used in the control of insects
51	Romania	National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest	Toma Fistos / Radu Claudiu Fierascu / Irina Fierascu / Alina Melinescu / Anton Ficai / Denisa Ficai / Lia Mara Ditu / Carmen Curutiu	Hydrophobic coating with self-cleaning and antimicrobial properties for artificial elements of vernacular constructions and method of obtaining it
52	Thailand	Montfort College	Mr. Narit Nitjapan Miss Pongmanee Phromchana Miss Naphattra Pripwai Miss Napaphat Datpratoom Mr. Tananop Panyamoonwongsa	Antifungal spray from basil leaves extract applied for handicraft products made from natural fibers
53	Hong Kong	St. Mary's Canossian College	Lo Cheuk Sze Miriam Sum Wai Ching Safina Chu Hiu Ching Phoebe	Deli-gious
54	Thailand	Chulalongkorn University Demonstration Secondary School	Mr.Than Melapudomchai Ms.Tanyapat Triwitayakorn Mr. Suranuth Keerativoranant Ms. Romchalee Ratanasirivilai Mr. Purin Ongwandee	C-credit
55	Thailand	Shrewsbury International School Bangkok	Prema Yugala	Mosquitoes Away! Box
56	Thailand	Ruamrudee International School	Mr. Kritpaul Prasattongosoth	Clinic Connect Application
57	Peru	N/A	MARCOS ANIBAL VERA BARRIOS	Trigonometer
58	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Contreras Cossio Jorge Luis Martínez Martínez Sergio Pucuhuayla Revatta Felix Rogelio	Adapter for corrugated roofs to prevent dust and other unwanted elements
59	Hong Kong	Advanced Biomedical Instrumentation Centre Limited	Shing Fung Chow Ho Wan Chan Hok Wai Lee	An Integrated Continuous Manufacturing Platform for Fabricating Inhalable Nanoagglomerate Dry Powder as Next-Generation Respiratory Therapeutics (US Provisional Patent Application No. 63/498,919)
60	Thailand	Mahidol Wittayanusorn School	Pongsakorn Lohasiriwat Jirakit Jiraroenrat Panich Kamalaporn Sorachai Sae-Lim Pitak Chuaworng	A simple assay to determine the type and quantity of alcohol in hand sanitizer

No.	Country	Organization	Inventor(s)	Title of Invention
1	Azerbaijan	Landau School	Aydan Musayeva Leyla Maharramova	UNLEASHING THE FORCE OF NATURE: NOVEL ECO-FRIENDLY FLOCCULANT FOR PRETREATMENT TO ENHANCE SAND FILTRATION AND EFFICIENTLY REMOVAL OF HEAVY METALS FROM WASTEWATER
2	Canada	IMUTISM INC.	IMUTISM INC.	Software Application: Methods for providing a virtual environment for training children with Autism Spectron Disorder
3	Malaysia	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Ts. Dr. Suliadi F. Sufahani Prof. Ir. Ts. Ruzairi A. Rahim Assoc. Prof. Dr. Mohd A.A. Abdullah Assoc. Prof. Ts. Dr. Mohd A. Yusof Mr. Mohd H.A. Wahab	Malaysian Secondary Boarding School Menu Planning System With Post-Optimality Process
4	Hong Kong	King's College	Marcus Hok Yin CHEUNG TAM Man Shun	Home cooking method analyzer: AI App for Health Suggestions based on experimental data from self-designed polarimeter
5	USA	The University of Arizona	Sara Sheikhlary	Herbostroidine: An Herbal-Based Radioprotective Drug Against I-131 and Sr90 Radioactive Elements with Dual Actions
6	Philippines	CB Engineering Services Inc.	Cageo D. Berongoy Ricardo S. Jardin	Multi-Functional Circuit Breaker
7	Vietnam	LAO CAI HIGH SCHOOL FOR GIFTED STUDENTS	NONG THUY LINH DAM HUYEN TRAN DO CHI BACH	Applying artificial intelligence AI to create traffic light system according to real time and moving priority in Viet Nam
8	Peru	Universidad Privada del Norte	Evelyn Ysolina Rondon Jara Jorge Luis Contreras Cossio Sergio Martínez Martínez Karen Steincin Cuba Vargas	Aerocamera for drug inhalation
9	Thailand	Faculty of Science and Technology, Nakhon Si Thammarat Campus, Rajamangala University of Technology Srivijaya	Dr.Sineenat Areekit Asst.Prof.Chadaporn Kleangjan Asst.Prof.Wasan Hayeeyahya Miss.Thiyanan Suankool	Herbal ball extract cream for relieve of muscle pain
10	Korea	Seoul Scholars International	Hyunseo Cho	Protective Effect of EGCG Against SH-Induced Cell Death in a Human Glial Cell Model of Alzheimer's Disease

11	Morocco	EMSI Group	Brahim ELBHIRI Safae MERZOUK Yassine ABOUDRAR Wafae EL KHOUMSI Rqia BOURZIZA	Green, Smart and Mobile station for water treatment (GSM-WT)
12	Thailand	Chulalongkorn University Demonstration Secondary School	Chomchan Sittikit	Ice-seperated(Boba-licious)
13	Indonesia	Polytechnic of Energy and Mineral Akamigas	Agatha Sekar Widyaningrum Akmal Ma'arif Al-Anshori Damiano Anugerah Paskah Himmawan Arsyad Muhammad Arjuna Putra Sasongko Rr. Tsaniya Faza Al- Machzum Azmi Yohana Kinaryosih	Biorium: Conversion of Various Waste Cooking Oil for Optimized Biodiesel Production Through Esterification Method Using NaOH Catalyst at PEM Akamigas.
14	USA	VIZR	Scot Adrian Schuler	The Shield
15	Egypt	High Institute of Engineering and Technology, Damietta, Egypt	Amro Sami Shalaan Al-Adham	Civil Engineering Thermometer (CET)
16	Romania	National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest	Radu Claudiu Fierascu Roxana Ioana Matei (Brazdis) Anda Maria Baroi Toma Fistos Irina Fierascu Lia Mara Ditu	Composite material based on glass ionomer cement and phytosynthesized metallic nanoparticles with improved antimicrobial properties and procedure for obtaining
17	USA	HIAT, Inc	Dr Ashour Ghelichi Fred Asli	Rapeseed platform using wind wall technology and controlled guidance of the product at harvest time
18	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Puripat Thangsurbkul	The Brainny Booster
19	Cambodia	Norton University	Mr. Ung Yean Mr. Luy Mithona Mr. Long David Mr. Chheng Hak Chhorvorn	NU PAL HELP PAL
20	Hong Kong	Lai King Catholic Secondary School	Kong Tsoi Yung Kwok Yu Lam Yip Hau Yim Zheng Yan Ki	Myopia lentes
21	Malaysia	International Islamic University Malaysia	Nur Ayuni Jamal Bisma Parveez	The Possibility of Employing Diamond Reinforcement in Strengthening Porous Aluminum

22	Thailand	Ruamrudee International School (RIS)	Pornprapat (Pan) Jirapojaorn	Saveomatic
23	Thailand	Ruamrudee International School	Nutvarit Manorotchaturong	Seaventure App. Marine Conservation Society
24	Qatar	Moza Primary School for Girls / Ministry of Education and Higher Education	Yumn M Soufi	The Effect of Extracting and Using Lipid Droplets of Date Pits as a Sequestration Factor of Water Dioxins (A Biomimetic Approach)
25	Hong Kong	University of Hong Kong	Yanmin Zhu Yuxing Li Jianqing Huang Yunping Zhang Edmund Y. Lam	Intelligent polarization holographic probe for real-time microplastic identification
26	Thailand	Northfield Mount Hermon School (USA)	Jeerasak Jitrotjanarak Chavarat Wangweera	CareCamera
27	Peru	Universidad Privada del Norte	Cuba Vargas Karen Esteincin Contreras Cossio Jorge Luis Martínez Martínez Sergio Rondon Jara Evelyn Ysolina Sánchez Márquez Carlos Augusto	Lighting pole cleaning device
28	Peru	Universidad San Ignacio de Loyola	Cecilia Iris Alfaro Olivera Carlos Alfredo Ugarte Palomino	Attachment for making humitas in a food mill
29	Hong Kong	Advanced Biomedical Instrumentation Centre Limited	Shing Fung Chow Kam-Hung Low Si Nga Wong	Novel Dexamethasone Cocrystal (US Non-provisional patent application No. 18/307,992 and CN Non-provisional patent application No. 202310597221.0)
30	Vietnam	Ngo Van So Secondary School / Lao Cai High School No.3	Nguyen Dang Minh Quan Tran Huyen Tram Dang Ngoc Lam	Machine Helps Blind People Read Text in Books and Website
31	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Prin Udomkiatikul Chayapa Srivoravilai Piyasoranee Winayanuwattikun	Magic Cool Pack
32	Malaysia	LABUAN INTERNATIONAL SCHOOL	NICOLE CHIA XIN DONG SHARANESHRI SARAVANAN JENNIFER JUIP KALIP (Teacher-in-Charge)	B-POTS: A SUSTAINABLE ALTERNATIVE TO PLASTIC POTS
33	Iran	The First Institute of Inventors and Researchers in I.R. IRAN	Mahdi Rezaei	Ultrasonic method and system for measuring blood pressure in the heart and brachial artery for health care and rapid diagnosis of cardiovascular disorders without the use of cuffs
34	Hong Kong	The Education University of Hong Kong	Dr Louisa Chung Ming-yan Dr. Peggy Or Pui-lai	Game-basis Learning Materials for Children to Promote Healthy Eating and Be a Germ Fighter

35	Malaysia	JUNGLE SCHOOL GOMBAK MALAYSIA, IIUM JSI AND AAD KAED	ASST PROF DR NORZALIFA ZAINAL ABIDIN KALAM PIE NURUL AINA SUHAILA MOHD NIZA	JUNGLE SCHOOL INDIGENOUS GREEN OUTREACH- "MENGIJAU"- EMBRACING OUR LIVING HERITAGE
36	Iran	The First Institute of Inventors and Researchers in I.R. IRAN	Kiarash Zolfaghari	Intelligent system and program for monitoring the baggage loading process of passengers at the airport
37	Thailand	Chulalongkorn University	Rachaneekorn Hongphanut	Metaverse Historicovator for History Learning Media to Promote Self-Directed Learning in The Bani Era
38	Peru	N/A	Esgard Salcedo Huaman	HYDRAULIC BRICK PRESS WITH CLEANING SYSTEM
39	Taiwan	National Taiwan University / National Tsing Hua University / National Taiwan University of Science and Technology	LIN, YU-CHEN LIN, HSUAN-YI LIN, YU-JOU WU, YING-HAN HSIAO, WEI-WEN	Application of new convolutional neural network with AI in counting system
40	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Thaninkit Prasitdumrong Pran Udomsawaengsup Sirarin Prasitdumrong Jeerasak Jitrotjanarak	O-NE CASE air purifier
41	Thailand	Chulalongkorn University Demonstration Secondary School	Tanyapat Triwitayakorn Alisa Triwitayakorn	Touchless Eco-Sink
42	Iran	The First Institute of Inventors and Researchers in I.R. IRAN	Saeed Lari	Intelligent platform for designing and drawing construction plans based on data mining and artificial intelligence
43	Romania	Technical University of Cluj-Napoca	Gherman Bogdan Pîslă Doina Plitea Nicolae Vaida Călin Carbone Giuseppe Pîslă Adrian Banică Alexandru	Parallel robotic system for the medical rehabilitation of the upper limb
44	Romania	Nicolae Testemițanu State University of Medicine and Pharmacy & "Dunărea de Jos" University of Galați	Vasile RUSU Oleg SOLOMON Kamel EARAR Ovidiu SCHIPOR Madalina Nicoleta MATEI	Silicone Key for Making the Individualized Healing Abutment
45	Poland	„POLTEGOR – INSTYTUT” INSTYTUT GÓRNICHTWA ODKRYWKOWEGO (INSTITUTE OF OPENCAST MINING), POLAND	Dr Eng Jerzy Jonkisz Dr Eng Marcin Kana Dr Eng Andrzej Pomorski	Method of producing feldspar-quartz meal from gneiss mining waste

46	Thailand	Montfort College	Siriyakorn SaeJew Sirin Tansuwanarajana Phrachya Kangonta Apiwit Autchariinsee	Comparative study of the efficacy in garlic, shallot, and onion on the Elimination of skull caterpillars for social and public benefit development
47	Thailand	Department of Educational Technology and Communications, Faculty of Education Chulalongkorn University, Bangkok Thailand	Prof. Dr.Noawanit Songkram Assoc. Prof. Dr. Nutthakorn Songkram Dr. Sarun Chattunyakit Assist Prof. Dr.Narongpon Aulpaijidlakul Dr. Supattraporn Upapong	Khun Sean: Smartbot computational thinking and empowering to promote computational science skills for primary school students
48	Qatar	Qatar University	Aisha Omar Al-Jaber Al-Dana Faisal Al-Siddiqi Muna Ibrahim Dr. Sumalatha Bonthula Dr. Rajender Boddula Mr. Ahmed Bahgat Radwan Dr. Noora H. S. Al-Qahtani	Synergetic effect of Pd-based catalyst for degradation of cationic and neutral dye mixture
49	Malaysia	INSTITUTE OF TEACHER EDUCATION, SARAWAK CAMPUS, SARAWAK, MALAYSIA & SJKC MANONG, KUALA KANGSAR PERAK, MALAYSIA	Dr HU LAEY NEE Dr NORSARIHAN AHMAD TAN YOONG MING ERSA NIA BINTI KAMARULZAMAN SHAFIQAH BINTI MOHTAR	“L.O.V.E. (Language Online Virtual Exploration): Gaming for Malay Language Mastery”
50	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Ms. Pichphanita Mathasuriyapong Mr. Thantham Jittham Ms. Warinsaya Sereepapong Ms. Pimbisa Bisalputra	Germ Guard Goo (G.G.G.)
51	Malaysia	Universiti Teknologi MARA	PROF. TS. DR. WAN ABDUL RAHIM BIN WAN MOHD ISA DR. AHMAD IQBAL HAKIM BIN SUHAIMI DR. NURULHUDA BINTI NOORDIN SITI SARAH BINTI HASSAN	A MOBILE GAME-BASED LEARNING APPLICATION ABOUT SEMAI PEOPLE (KENALI SEMAI)
52	Thailand	Montfort College	Mr. Panat Asasuppakit	Hemp – Holy Basil+ Dental Floss
53	Moldova	Institute of Microbiology and Biotechnology of Technical University of Moldova / Scientific and Practical Institute of Biotechnologies in Zootechnics and Veterinary Medicine of Moldova	Rotari Doina Darie Grigore Chiselița Natalia Chiselița Oleg Efremova Nadejda Beșliu Alina	Protective medium for ram semen preservation by refrigeration

54	Thailand	Chiang Mai University Demonstration School / Montfort College / The Prince Royal's College	Miss Pattanan Chanhom Mr. Thanaphat Uttrakian Miss Nutchanan Punyaso Miss Thanchanok Chaimuangchuen Miss Suthida Suriyayot	Temporary burnt coconut husks charcoal hair dyed cream "Coco Charcoal Lock Color Hair Cream"
55	Malaysia	SEKOLAH MENENGAH TEKNIK ALOR SETAR	MOHD FARUHI BIN JOHARI MUHAMMAD NAUFAL HAZIM BIN MUHAMMAD FADZLY MUHAMMAD EZRRY HAIKAL BIN SABARUDDIN NOOR ALEEYA SOFEA BINTI MOHD KHAIRUL AZAM NUR AUNI YASMIN BINTI MOHD AZMAN	"SECURITY DOOR FOR FOOD BANK"
56	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Patchareeporn Boonwan Ms.Thanphapawn Pikul Mr.Pornpawit Utamapongchai	JUSTPLASTER
57	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Pattawan Piboontum Ms.Patteera Orapimpan Mr.Pitchakorn Orapimpan	Oh My Back!
58	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Cajun Tai Ka Joon Trishah Rajendran Krishna Ravinchandra	Fresh Fruit Bunch (FFB) harvest detection Drone for Palm Plantation
59	Thailand	Montfort College Secondary Section	Troy Wynn Horton Jirakorn Ketpradit Sutthida Techathummanan Phatthadon Kamnasak Chanawee Chingchayanurak	"AI-PDx: Advancing Parkinson's Disease Diagnosis through Intelligent Analysis of MRI Images"
60	Thailand	Chiang Mai University Demonstration School	Miss Pinyapat Prisananuntakul Miss Arachaporn Malimas Miss Phannapat Promchan Master Jirawat Kengka Miss Papichaya Makpon	Pelleted product for Pink lady rice which has anti-cancer activities to reduce risk of developing lung cancer

- END OF CANADIAN SPECIAL AWARDS SELECTIONS -

- COMMITTEE & BEST INVENTION AWARDS SELECTIONS ON NEXT PAGE -



JURY'S CHOICE AWARDS

Selected by the Jury Committee of iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Hong Kong	Advanced Biomedical Instrumentation Centre Limited	Shing Fung Chow Ho Wan Chan Hok Wai Lee	An Integrated Continuous Manufacturing Platform for Fabricating Inhalable Nanoagglomerate Dry Powder as Next-Generation Respiratory Therapeutics (US Provisional Patent Application No. 63/498,919)
2	Brunei	Universiti Islam Sultan Sharif Ali	Zulfah Syauqina Hj Muhamad Fathinah Uzma binti Noorazmi Siti Nur Ameerah Syahirah binti Hj Azis Siti Nur Rabi'atul Adawiah binti Hj Abu Bakar Nor Surilawana Sulaiman	"Ali Pow Pow": An Explosion Flavour of Baby Food Seasonings for Your Little Ones
3	Taiwan	Biozyme Biotechnology Corp.	Cheng Huang Yi Chung Lai	Liposome structure for enhancing enzyme activity and thermal protection performance
4	Canada	IMUTISM INC.	IMUTISM INC.	Software Application: Methods for providing a virtual environment for training children with Autism Spectron Disorder
5	Hong Kong	The Education University of Hong Kong	Dr Fu Hong / Dr Song Yanjie / Dr Zheng Yang / Dr Li Bin / Miss Qiu Minyu / Miss Hou Beibei / Mr He Ziyu	An Intelligent Ocular Misalignment Measurement System
6	Russia	N/A	Viktor Bilak / PhD Anna Matiushkina	Rotating Color Circles, Bi-Luck®
7	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Prof. Ir. Eur. Ing. Ts. Dr. Vinesh Thiruchelvam Assoc. Prof. Ts. Dr. Sathish Kumar Selva Perumal Arvin Ravindran Sharen Chrisan Fabian Perera	MaviHub : Machine vision with robotic autonomy
8	Peru	Bioservice SRL	Ysabel Koga / Arnaldo Alvarado / Robert Tinoco	Disinfectant based on natural compounds and its elaboration process
9	Thailand	Northfield Mount Hermon School (USA)	Jeerasak Jitrotjanarak / Chavarat Wangweera	CareCamera
10	Malaysia	SEKOLAH MENENGAH TEKNIK ALOR SETAR	MOHD FARUHI BIN JOHARI MUHAMMAD NAUFAL HAZIM BIN MUHAMMAD FADZLY MUHAMMAD EZRRY HAIKAL BIN SABARUDDIN NOOR ALEEYA SOFEA BINTI MOHD KHAIRUL AZAM NUR AUNI YASMIN BINTI MOHD AZMAN	"SECURITY DOOR FOR FOOD BANK"



ORGANIZER'S CHOICE AWARDS

Selected by the Organizing Committee of iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Romania	"Lucian Blaga" University of Sibiu, Romania	Aurel-Mihail ȚÎȚU Constantin OPREAN Ion MĂRGINEAN Alexandru-Marcel MOLDOVAN Adrian BOGORIN-PREDESCU	Hydro-electrical turbine linear unfolded on the streams
2	Sweden	Nano Control AB	Dr. Adrian Jose Cabezas Morales	New technology to remove micro and nanoparticles from exhaust emissions
3	China	Tsinghua University / Peking University	Garvie Kawai Huang / Chi Un Ng / Hou Hei Lam / Un Man Wong / Kwan Brandon Arlatt / Pou Cheng Wong	MICRO INSPECTION
4	Malaysia	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Ts. Dr. Suliadi F. Sufahani Prof. Ir. Ts. Ruzairi A. Rahim Assoc. Prof. Dr. Mohd A.A. Abdullah Assoc. Prof. Ts. Dr. Mohd A. Yusof Mr. Mohd H.A. Wahab	Malaysian Secondary Boarding School Menu Planning System With Post-Optimality Process
5	Sri Lanka	SRI LANAKA INVENTORS COMMISSION	Wijayapala WELGAMA / K. Anton Chrishan Peiris	S.O.S WRIST LIGHT (HUMAN SAFETY)
6	Hong Kong	The Education University of Hong Kong	Dr Tsang Yiu Fai Ms Cheng Yan Laam Dr Siu Yee Ming Ms Pang Hei Tung	Rapid Quantification of Microplastics Using Total Organic Carbon Analysis with Simple Sample Pretreatment
7	Thailand	Chulalongkorn University Demonstration Secondary School	Ms.Pattawan Piboontum Ms.Patteera Orapimpan Mr.Pitchakorn Orapimpan	Oh My Back!
8	Peru	Universidad Privada del Norte	Ruth Aracelis Manzanares Grados Claudia Beatriz Trujillo Ángeles Luigi Valente Bustamante Deivid Junior Yábar Gamarra	Persia – An Electronic Assistant for the school integration of children with Asperger
9	Vietnam	LAO CAI HIGH SCHOOL FOR GIFTED STUDENTS	NGUYEN HOANG MINH / NGUYEN DIEP ANH / TRAN GIA HUY / DO DUC ANH	SMART ATM ONLINE
10	Thailand	Montfort College Secondary Section	Troy Wynn Horton Jirakorn Ketpradit Sutthida Techathummanan Phatthadon Kamnasak Chanawee Chingchayanurak	"AI-PDx: Advancing Parkinson's Disease Diagnosis through Intelligent Analysis of MRI Images"



BEST INVENTION DESIGN AWARDS

Selection of the Best Designed Works in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Algeria	N/A	BENTERKI MOHAMED SADEK	Mécanisme de propulsion de véhicules à propulsion humaine par des leviers qui pivotent sur un axe horizontal et/ou deux axes verticaux parallèles et symétriques
2	Philippines	PARTIDO STATE UNIVERSITY-Tinambac Campus	MICHAEL C. BARBECHO Romeo B. Morcilla Neonita B. Palmaria	FRONT DRIVE POWER TRAIN AND SUSPENSION MECHANISM FOR THREE-WHEELED ELECTRIC VEHICLE
3	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Thaninkit Prasitdumrong Pran Udomsawaengsup Sirarin Prasitdumrong Jeerasak Jitrotjanarak	O-NE CASE air purifier
4	Peru	Universidad San Ignacio de Loyola	Cecilia Iris Alfaro Olivera Carlos Alfredo Ugarte Palomino	Attachment for making humitas in a food mill
5	Thailand	Ruamrudee International School	Patcharipa Jeerapat	Ama Wheels
6	Thailand	Prasarnmit Demonstration School Secondary	Sriyupa Bahalayodhin Nayaphat Amrarong Pichamont Jarukamjorn	MicroDentalTip
7	Thailand	Shrewsbury International School Bangkok Riverside	Thanadol Wangwijit	Power Generator Module for Elephant Tracker
8	Peru	Universidad Privada del Norte	Ruth Aracelis Manzanares Grados Deivid Junior Yabar Gamarra Diana Sofia Milagros Rosales Gurmendi Jonathan Smith Bulnes Negreiros Kelly Ivanna Curasi Anchayhua Rubila Raquel Clemente Monago	Agricultural soil analysis and monitoring device with systems for identifying obstacles, capturing plant images and for the use and collection of renewable energy
9	Thailand	Chulalongkorn University Demonstration Secondary School	Kandit Kornmatitsuk	3D-printed UV light-emitting diode (<i>Culicoides</i>) trap
10	Thailand	Wichai Wittaya	Patarapol Lorsomradee Nititorn Thiyanan Chayotid Yachawanna Pratch Khonsung Pasittass Kumkiat	Self-Filtering Powered Safety Helmet for Bicycles and Motorbikes



BEST INVENTION VIDEO AWARDS

Selection of the Best Video Presentations in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Sudan/United Kingdom	HIOT UK	Mr Salah Eldin Mustafa Ali Hussein Mr Kheiry Kheiry Ahmed Eltahier	Fault Smart Reporting System - Magic Drainer (MD)
2	Malaysia	SMK Dato' Jaafar	Wan Yuan Yun / Agatha Ngee Hui Ci / Wong Zhi Jia / Wong Minh Chjiat Isabelle	ACTRIC PAINT
3	Vietnam	Tuyen Quang Gifted High School	Le Thao Uyen Nguyen Le Viet Hoang	Flame-retardant hydrogel from renewable sources of material - natural compounds
4	Thailand	Department of Chemistry, Faculty of Science, Ramkhamhaeng University	Assistant Professor Dr. Jariya Romsaiyud Mr. Naraphatra Saemram Yorkoon Osot Co., Ltd. Siamprai Plus (INTER) Co., Ltd.	Thai CoolSoothe Herbal Massage Cream with Nano Encapsulation Technology
5	Malaysia	INSTITUTE OF TEACHER EDUCATION, SARAWAK CAMPUS, SARAWAK, MALAYSIA & SJKC MANONG, KUALA KANGSAR PERAK, MALAYSIA	Dr HU LAEY NEE Dr NORSARIHAN AHMAD TAN YOONG MING ERSA NIA BINTI KAMARULZAMAN SHAFIQAH BINTI MOHTAR	“L.O.V.E. (Language Online Virtual Exploration): Gaming for Malay Language Mastery”
6	Thailand	NIST International School of Thailand	JIRANAT CHAIYOSBURANA	M-Shield ION Brick
7	Malaysia	Universiti Sains Malaysia	Lim Zhi Xuan & Zarul Fitri bin Zaaba	MyDailyPrice (MDP)
8	Malaysia	International Islamic University Malaysia	Amal A.M. Elgharbawy (IIUM) Lama Al-afandi (IIUM) Najihah Mohd Noor (IIUM) Muhammad Zulhaziman Mat Salleh (UKM) Mohd Roslan Mohd Nor (UM) Adeeb Hayyan (UM)	A Novel Deep Eutectic Solvent Formulation for Enhanced Antimicrobial activity of Active Pharmaceutical Ingredients
9	Thailand	Montfort College Secondary Section	Troy Wynn Horton Jirakorn Ketpradit Sutthida Techathummanan Phatthadon Kamnasak Chanawee Chingchayanurak	“AI-PDx: Advancing Parkinson's Disease Diagnosis through Intelligent Analysis of MRI Images”
10	Thailand	Weerawatyothin School	Miss.Namthip Yuichantuek Miss.Kanokwan Taenkaew Miss.Kanchanasuda Phandee Mr.Kitsada Hong Mr.Thapakorn Poopewmake	SOUVENIRS SAVE WORLD



BEST WOMAN INVENTOR AWARDS

Selection of the Best Women Inventors in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Saudi Arabia	King Saud University	Renad Al-Hussein	Sound Detector for Deaf People While Driving
2	Poland	Lublin University of Technology	Anna Rudawska Izabela Miturska-Barańska	Holder for fixing a sample of butt adhesive joint
3	Macedonia	Yahya Kemal College	Dea Despotovska Nina Lameva	SOLAR POWERED ENERGY EFFICIENT OXYHYDROGEN GENERATOR
4	Canada	University of Toronto Schools	Ke Xin Xu	Trash Compactor
5	Azerbaijan	Landau School	Aydan Musayeva Leyla Maharramova	UNLEASHING THE FORCE OF NATURE: NOVEL ECO-FRIENDLY FLOCCULANT FOR PRETREATMENT TO ENHANCE SAND FILTRATION AND EFFICIENTLY REMOVAL OF HEAVY METALS FROM WASTEWATER
6	Malaysia	School of Education Studies & School of Computer Sciences, Universiti Sains Malaysia	Lei Mee THIEN Chia Yean LIM	PositiveSat: A Mobile-Based Positive School Attribute Assessment Application
7	Malaysia	KOLEJ KOMUNITI JELEBU	NUR HANIM BINTI OTHMAN NORSHAHIRA BINTI KAMARZAMAN SITI NOOR AISHAH BINTI ABDUL LATIF SABRI	HalalFactory SetPro (HSPro)
8	USA	The University of Arizona	Sara Sheikhlary	Herbostroidine: An Herbal-Based Radioprotective Drug Against I-131 and Sr90 Radioactive Elements with Dual Actions
9	Thailand	Chulalongkorn University	Rachaneekorn Hongphanut	Metaverse Historicovator for History Learning Media to Promote Self-Directed Learning in The Bani Era
10	Malaysia	International Islamic University Malaysia	Nur Ayuni Jamal Bisma Parveez	The Possibility of Employing Diamond Reinforcement in Strengthening Porous Aluminum



BEST YOUNG INVENTOR AWARDS

Selection of the Best Young Inventors in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Lebanon	Notre Dame de Jamhour School	Yara Bark Marc Beaino Gabriel Salem	The Green Building
2	Tunisia	Tunisian Association for the Future of Sciences and Technology (ATAST)	Hatem SLIMANE Alaa BOUHAOUEL	Renovation of olive cultivation sector using artificial intelligence
3	Philippines	Manuel A. Roxas High School	Carl Joseph N. Avec Jaeme A. Fernandez Robinne Isabelle A. Sierra Rico Antonio S. Mariano	Acetone and Cigarette Filters as an Alternative Paper Glue
4	Hong Kong	Lai King Catholic Secondary School	Kong Tsoi Yung Kwok Yu Lam Yip Hau Yim Zheng Yan Ki	Myopia lentes
5	Philippines	MANILA SCIENCE HIGH SCHOOL	JUSTIN KURT E. TIN	Trilby Operating System
6	Vietnam	Chu Van An High School / Hanoi-Amsterdam High School for the Gifted / Nguyen Thi Minh Khai High School	DANG CHI BANG VU VIET NGUYEN LA NGUYET AN VU KHANH UYEN	MODEL OF DEVICE WHICH APPLIES ULTRASONIC WAVES TO CONCENTRATE HONEY AND FISH SAUCE AT LOW TEMPERATURE
7	Malaysia	LABUAN INTERNATIONAL SCHOOL	ADI JOHAN ABDULLAH LAURA ALYSSA DIONYSIUS DERRICK TAN KENG HOW SALLY NG SHUN YEE JURY TISE (Teacher- in -charge)	CoPaCrete: Eco-friendly brick from agricultural waste
8	Qatar	Moza Primary School for Girls / Ministry of Education and Higher Education	Ghala Nasser H A Alobaidly	Simple, Yet Effective Way to Reduce Diseases Transmission
9	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Master Nathan Chalokepunrat Master Nagan Chalokepunrat	Happy Pill Dispenser
10	Thailand	Montfort College	Mr. Panat Asasuppakit	Hemp – Holy Basil+ Dental Floss



TOP 20 BEST INVENTION AWARDS

Overall Selection of the Top 20 Best Inventions in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	Hong Kong	Advanced Biomedical Instrumentation Centre Limited	Shing Fung Chow Kam-Hung Low Si Nga Wong	Novel Dexamethasone Cocrystal (US Non-provisional patent application No. 18/307,992 and CN Non-provisional patent application No. 202310597221.0)
2	Brunei/Malaysia	Universiti Islam Sultan Sharif Ali (UNISSA) / Universiti Putra Malaysia (UPM)	Prof. Dr. Ahmed Osumanu Haruna / Dr. Liza Nuriati Lim Kim Choo / Dr. Latifah Binti Omar / Dr. Adiza Alhassan Musah / Assoc. Prof. Dr. Rose Abdullah / Ng Ji Feng / Dr. Syahirah Binti Haji Shahlehi	Nature Inspired Solutions for Healthy Soils and Healthy Food
3	Thailand	Satit Chula Innovation Society, Chulalongkorn University Demonstration Elementary School	Thaninkit Prasitdumrong Pran Udomsawaengsup Sirarin Prasitdumrong Jeerasak Jitrotjanarak	O-NE CASE air purifier
4	Vietnam	Vietnam Institute of Agricultural Engineering and Post-Harvest Technology	PHAM ANH TUAN	Vacuum frying equipment system works continuously
5	Hong Kong	Yew Chung College of Early Childhood of Education (YCCECE)	Jockey Club 'CoolPlay' Project	JumpStarter
6	Peru	Universidad Privada del Norte	Ruth Aracelis Manzanares Grados Claudia Beatriz Trujillo Ángeles Luigi Valente Bustamante Deivid Junior Yábar Gamarra	Coldty - A cold muscle drive therapy device for stroke patients
7	Malaysia	University Science Malaysia	MOHAMMED KHAALLEEFAH SALLEEM ALDOUFANI	The smart gate monitoring system
8	Saudi Arabia	Department of Pharmaceutical Chemistry, Faculty of Pharmacy, King Abdulaziz University / Dept. of Hematology, MSF for Medical Research and Development	Dr. Maha Ibrahim Prof. Alaa Eldin M. Khedr Dr. Ammar Bayoumi	COMPOSITIONS AND METHODS FOR TREATMENT OF ADDICTION WITHDRAWAL SYMPTOMS
9	Malaysia	ASIA PACIFIC UNIVERSITY	Dipl-Ing. Ir.Narendran Ramasenderan Prof. Ir. Eur. Ing. Ts. Dr. Vinesh Thiruchelvam Assoc. Prof. Ir. Dr. Siva Kumar Sivanesan Ng Joo Kiat Cheng Yi Heng	RescueAi – Disaster Metaverse with Robotic Autonomy
10	Hong Kong	The Hong Kong Polytechnic University	SHOU Dahua / LAM Chak Wai / GU Yuheng	iActive: Intelligent Active-Perspiration Activewear



TOP 10 BEST INVENTION AWARDS

Overall Selection of the Top 10 Best Inventions in iCAN 2023



No.	Country	Organization	Inventor(s)	Title of Invention
1	UAE	SIYAVOS	Siavash Zafar Esmaeili	The Mind-Controlled Artificial Leg and Knee
2	Romania	University POLITEHNICA Bucharest	Marius MOGA Augustin SEMENESCU Mihnea Cosmin COSTOIU Ileana Mariana MATEȘ Cezar - Ionuț CĂLIN Cătălin Gheorghe AMZA	SHORT FEMORAL STEM CERVICAL ENDOPROSTHESIS
3	Taiwan	TCI Co. Ltd.	Yung-Hsiang Lin	Jackfruit Pulp Extract
4	Malaysia	UNIVERSITY MALAYSIA PAHANG, UMP	PROFESSOR DR. ABDURAHMAN HAMID NOUR ASSOCIATE PROFESSOR DR. AZHARY HAMID NOUR ALI HASSAN ABDULRAHMAN AL-SAGGAF DR. NORASYIKIN ISMAIL	A HYBRID ULTRASONIC MEMBRANE ANAEROBIC SYSTEM (UMAS) IN TREATING WASTEWATER
5	Hong Kong	Advanced Biomedical Instrumentation Centre Limited	Zhiqin Chu Yuan Lin Jixiang Jing Yong Hou Xinhao Hu Luyao Zhang	Photonic Chipscope for Monitoring of Live Cell Activities
6	Philippines	Rizal Inventors and Innovators Society Inc.	Cageo D. Berongoy Ricardo S. Jardin	Pressure Release Reaction Pump
7	Thailand	Northfield Mount Hermon School (USA)	Jeerasak Jitrotjanarak Chavarat Wangweera	CareCamera
8	Thailand	Faculty of Architecture and Planning, Thammasat University	Asst. Prof. Khiensak Seangklieng, Ph.D., ASA.	NORA PURA: A Sustainable Community with LCDs Design Approach
9	Peru	Universidad San Ignacio de Loyola	Luciana de la Fuente Carmelino Ana María Muñoz Jáuregui Juana Patricia Lozada Huancachoque	Waterless face cream with moisturizing effect formulated with Oenocarpus mapora H. Karst (SINAMI) oil
10	Sudan/United Kingdom	HIOT UK	Mr Salah Eldin Mustafa Ali Hussein Mr Kheiry Kheiry Ahmed Eltahier	Fault Smart Reporting System - Magic Drainer (MD)

- END OF COMMITTEE & BEST INVENTION AWARDS SELECTIONS -

- TOP AWARDS SELECTIONS ON NEXT PAGE -



SEMI-GRAND PRIZE WINNER

SELECTION OF THE 2ND HIGHEST HONOUR IN iCAN 2023



Mircea MANOLESCU

A Better Life Solutions

from Romania



iSentinel® BUSINESS
SEISMIC RESILIENCE & CONTINUITY SOLUTIONS



THE GRAND PRIZE WINNER

SELECTION OF THE 1ST HIGHEST HONOUR IN iCAN 2023



ZENXTAG

Prof. LAM Hon Wah

ZenxTag Technology Limited

from Hong Kong



ZENXTAG



SMART FOOD LABEL
Chemosensing testing material for the detection of biogenic amines in high-protein food



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