

Mathematics

ID	Country	Project Title	School	Supervisor	Author
010040	Indonesia	Utilizing Sparse Optimal Linear Feedback Control to Design Targeted Therapeutic Strategies for Enhancing Gut Microbiome	Cita Hati Christian	Kuncoro Kohar	Stephanie Thalia Go
010041	South Korea	Equation of Ellipse over F_p and Pairs of Quadratic Residues/Nonresidues Related to Catalan Numbers	Seoul Science High School		MINJAE KIM HYEONGJOE CHU

Chemistry

ID	Country	Project Title	School	Supervisor	Author
030029	Japan	Glass Coloring by the production of Colloidal Hydroxide	Miyagi Prefecture Sendai	Kei Matsubara	Akihito Watanabe Wataru Hamashima
030030	Russia	Synthesis of fluconazole analogues with focusing on resistant strains Candida	Moscow South-Eastern	Ksenia	Adelina Vakhitova
030031	Hungary	Application of Carbon Aerogels in Lithium-Air Batteries	Lutheran Petofi High	Gabor Laszlo	Balint Zsolt Raposa
030032	Indonesia	Synthesis of Nanocomposite Nanocellulose From Durio zibethinus L. and TiO ₂ NPs as Potential Food Packaging Antibacterial (E. coli Wild	Al Azhar 1 Islamic High	Ayra Ulpiyana	Zacarich Widjoyo Arilo

Animal Sciences

ID	Country	Project Title	School	Supervisor	Author
050012	United	BeeMind AI: Development of an AI-Based System to Assess Honeybee Health, Behavior, and Nutrient Effects on Learning and Memory	The Haverford School	Hunter Hart	Matthew Lo

Plant Sciences

ID	Country	Project Title	School	Supervisor	Author
060014	Denmark	Let There Be (Optimal) Light	Egaa Gymnasium		Nanna Kalmar
060015	South Africa	Plantastic Pods: The Grow Stick Rooting Revolution for Seeds & Cuttings	C&N Oranje Meisieskool	Mfanasibili	Johanna Swanepoel
060016	United	Decoding Climate Resilience: Functional Profiling of Protein Phosphatase 2C Family Genes for Abiotic Stress Tolerance in Rice	Rastogi Homeschool		Nandini Rastogi

Microbiology

ID	Country	Project Title	School	Supervisor	Author
070010	Zimbabwe	Using Focused Ultrasound and Pulsed Ultrasound as a Solution to Viral Infection	Peterhouse Girls		Mufaro Nazare Naledi Taundi

Biochemistry

ID	Country	Project Title	School	Supervisor	Author
080015	Indonesia	Exploring the Potential of Pachyrizus Erosus-Derived Calcium as an Affordable Nutritional Solution for Lactose Intolerance	Mentari Intercultural	Prita Elriza	Zivia Hanna Patty Alexandrine Patricia
080016	Italy	DSUP: New Research On The Implementation Of Radioresistance In Cellular Systems	Liceo Scientifico Galileo		Federico Bergo
080017	Japan	Development of MBR, CO2 absorption ball	Nagano Prefectural Iiyama	NAKAMURA	OTSUKA YUA TAKATO HINAKA FUJISAWA YOSHIMI
080018	Mexico	Tlaolli Onilli	Highschool UPAEP	Monica Rivera Juana	Sofia Elena Flores Rivera Arantza Ximena Aguilar

Medicine and Health Sciences

ID	Country	Project Title	School	Supervisor	Author
090026	Switzerland	Trojan Horses in the Fight against Skin Cancer	Gymnasium Kirchenfeld	Gobran Sarah	Xeno Messmer
090027	Canada	Eradicating Cystic Fibrosis Biofilms by a Novel Non-Toxic, Multi-Pathway Salicylate Therapy	Prince of Wales Secondary	Reni Barlow	Ann Wang
090028	Indonesia	Utilizing Flavonoids From the Invasive Species Pilea Melastomoides and Daucus Carota as Well as the Protein PTK-2 to Create a Skin	Mentari Intercultural	Prita Elriza	Marsha Leman Sofia Fazelle Krisnaputra
090029	Turkey	Production of Nano-Composite Artificial Bone Tissue Using Bioceramic Synthesis from Bio-Waste	Emine Örnek Science High	Hakan	Poyraz Gulener
090030	Thailand	KidneyLifePlus+ : Retinal Imaging Analysis for Kidney Disease Risk Assessment	the prince royal's	Krittipong	Payuphat Boontaokaew Chananphat Tacharoenmuang Pimlada Patipatpatawee
090031	Jordan	Safe Sleeping	Shafiq Arshidat Secondary		Mohammad Ibrahim

Engineering

ID	Country	Project Title	School	Supervisor	Author
100043	Philippines	Design and Simulation of a Honeycomb Sandwich Panel as a Heat-resistant and Durable Construction Material	Philippine Science High	Ayn Hazel G.	Syrila Erin T. Catral Katrina Ciel T. Viernesto Jairo Gabriel T. Aban
100044	Philippines	Development and Comparison of a Small-Scale Toroidal Horizontal-Axis Wind Turbine to a Conventional HAWT Design	Philippine Science High	Ayn Hazel G.	Angelo Miguel G. Vinluan Hugh Constantine T. Antonio Raul L. Penaranda
100045	South Korea	The Future of Carbon Capture Technology: A Novel Moisture Powered Thin-Film Supercapacitor that Adsorbs Carbon Dioxide	Daegu International	JAEHEE JANG	HANSEO KIM
100046	Russia	Intellectual security system for industrial enterprises (ISS)	Melnichenko Foundation		Kirill Rudyakov
100047	Czech	A Humanoid Robot on the Basis of Modules Controlled Through a Serial Half-Duplex UART Bus	Gymnazium Matyase Lercha	Tomas Dosedel	Sebastian Matousek
100048	Brazil	PiezoPioggia: Energy Harvesting with Raindrops	Colégio Dante Alighieri	Fabiano Zuin	Eduardo De Monaco
100049	Romania	A Study on Hybrid Electromechanical Actuators	International Computer		Mendel-Emanuel Mendelsohn Ioana Stanoiu
100050	Brazil	SUSTUNI - SOFTWARE FOR SMART AND SUSTAINABLE DESIGN OF INDUSTRIAL ELECTRICAL CIRCUITS	Fundação Escola Técnica	Raul Antonio	Thiago Emanuel de Vargas
100051	Italy	Safe CrossWalk (SCW)	ITTS "O. Belluzzi L. da		Nicolo Bartoli Simone Clementi Diego Zaghini
100052	Thailand	EIBraille: An Electromagnetic Field-Powered Braille Training Device with Development of	The Prince Royal's	Rungkan	Sataporn Thanapanyakul Siwakorn Suwannahong

		Printed Circuits and Algorithms for Visually			Punnawit Ponnirun
100053	Macau	Autonomous Ecosystem Surveillance Vehicle	Macao Pui Ching Middle	LAM KIN UN	WU IAT LONG HO PAK NGAI ZENG WAI PAN
100054	Sri Lanka	Mattress Ventilation System	Saranath College,	Jayavilal	S M C A B Senanayaka
100055	Sri Lanka	Spoiled Egg Detector	Dharmaraja College,		U N D Jayathilake
100056	Jordan	TEST & SAVE	Irbid Secondary School	MOHAMMAD	NEMER

Engineering

ID	Country	Project Title	School	Supervisor	Author
100057	Nepal	THIRD-LIFE: Real Life Accident Alerting, Live Locations and Notifications to Emergency Service	Budhanilkantha School Rato Bangala School	Netra Prasad	Shreyash Sharma Bastola Sampanna Bhandari Shubham Hamal

Behavioral and Social Sciences

ID	Country	Project Title	School	Supervisor	Author
130011	Switzerland	The conspiracy mentality: its relationship with absurdity and ostracism	Lycée Denis-de-Rougemont		Olivia Lina Oechsli
130012	Hungary	DIVE&CLEAN - Intervention Possible	The British International	Gabor Laszlo	Laura Ivanka
130013	Indonesia	Developing a Heart-Rate Monitoring App to Help Families in Identifying Mood Changes for Children Diagnosed With Neurodivergence	Mentari Intercultural	Prita Elriza	Jannaisya Aufilia Matahati Sabri Maleeka Aqiila Januar
130014	Indonesia	Evaluating the Impact of the AI-Powered Interactive Journal "I Am Great Because of Me" on Reducing Impostor Syndrome Among High	SMAN Unggulan M. H.	Arie Hardian	Talita Almira Salsabila Adelia Nasywa Ramadhani

Physics and Astronomy

ID	Country	Project Title	School	Supervisor	Author
160033	Singapore	Modal frequencies in a nonlinear beam-magnet coupled oscillator system	Raffles Institution	Se Kuan Pin	Wang Yunze
160034	Singapore	Efficient Modelling of Aeroacoustic Phenomena in Seebeck Sirens: A Simplified Approach for Real-World Applications	Raffles Institution	Se Kuan Pin	Ong Jiunn Xiang
160035	Luxembourg	Can Quantum Mechanical Two-State Theory model Coulomb' s Force?	Lycée de Garçons d' Esch	Sousana Eang	Moritz Rohner

Earth and Environmental Sciences

ID	Country	Project Title	School	Supervisor	Author
180026	South Korea	Proposal for the Restoration of Fire-Damaged Soil Using Water-Soluble Aromatic Compounds Derived from Soil Actinomycetes	St. Johnsbury Academy		SEYI KWON
180027	Canada	Reviving Resources: Harnessing Soap Nut Greywater for Sustainable Plant Growth	St. John's School		Tanvir Mundra

Computer and Information Engineering

ID	Country	Project Title	School	Supervisor	Author
190029	Luxembourg	Project M. I. R. A. S	Lycée Michel Rodange		Maxime Buck
190030	Czech	ChordSeqAI: Generating Chord Sequences Using Deep Learning	Archbishop Grammar School		Petr Ivan
190031	Hungary	Wibrazz	Nyiregyházi Vasvári Pál	Gabor Laszlo	Dalma Kamilla Zsigo
190032	Brazil	MEDTEC - Artificial Intelligence Software for medical diagnosis optimization and analysis	Colégio Dante Alighieri	Fabiano Zuin	Ana Elisa Guirao Gomes
190033	South Africa	AI-Based Customer Sentiments Dashboard	Bryanston High School	Mfanasibili	Aradhya Kaushik

Environmental Engineering

ID	Country	Project Title	School	Supervisor	Author
200019	Pakistan	Revolutionizing Potato Agriculture: Harnessing Machine Learning Techniques for Disease Detection and Management	Aitchison College, Lahore	Syeda Khadija	Rafey Atullah Mohammad Lajwar Jamal
200020	Tunisia	Olivy - Renovation of Olive Cultivation Sector Using Artificial Intelligence	ATAST	Hatem SLIMANE Meriem	Rana Boukadida Ismaiel BEN BRAHIM