List of Accepted Projects

Project ID	Project Title	University Name
GP2022.R17.2	Self-Charging Electric Vehicles: Integrating smart bifacial semi-transparent	The British University in Egypt (BUE)
GP2022.R17.6	Smart Factory 4.0	Minia university
GP2022.R17.7	Design and manufacture a CubeSat and its own Ground Station	Assiut University
GP2022.R17.8	Smart Crime Detection	Menofia university
GP2022.R17.9	An interpretable Deep Learning Framework for Reliable Diagnosis of	Zagazig University
GP2022.R17.10	Interpretable Deep learning Framework for early detection of Cyber-attacks and Malwares in fifth-generation Internet of Things (IoT)	Zagazig University
GP2022.R17.11	Interpretable Deep learning Framework for Improved Gait Recognition in Internet of Things (IoT).	Zagazig University
GP2022.R17.13	Design and Implementation of wheel chair control system for physical disability	Misr International University
GP2022.R17.14	Neural Wheels	Alexandria University
GP2022.R17.18	Autonomous Delivery Self-Balancing Robot	Nile University
GP2022.R17.19	Smart System for attendance using face recognition	El-Shorouk Academy
GP2022.R17.25	Smart Personal ID card	El-Shorouk Academy
GP2022.R17.26	Intelligent system for monitoring maternal and fetal health care remotely based on IOMT	Minia Univirsity
GP2022.R17.28	Design, develop, prototype, and test a platform for synchronized ultra-resolution cameras for high profile critical mission applications	Badr University in Cairo
GP2022.R17.29	IoT Smart City Application	Zagazig University
GP2022.R17.30	Collision Avoidance and Traffic Signs Recognition System	Cairo University
GP2022.R17.31	AUTOSAR-Based Automotive Inverter	Cairo University
GP2022.R17.33	Medical_Report_Generation	Alexandria University
GP2022.R17.34	Object Sorting by Robot Arm Using Image Processing	Menoufia University
GP2022.R17.37	IoT based Smart Classroom	Minia University
GP2022.R17.38	Auto-detecting Congestive Heart Failure, Atrial fibrillation, and Regular heart rate.	Benha University
GP2022.R17.39	Epilepsy Prediction and Fatigue Detection in a Smart Vehicle using Deep Learning and IoT	Arab Academy for science technology and maritime

GP2022.R17.43	Crop Inventory Map	Banha University
GP2022.R17.45	Orca	Cairo University
GP2022.R17.46	An Intelligent System for Assessing Student Participation and Interaction	Benha University
GP2022.R17.48	Face Recognition System based on FPGA for Highly Secured Buildings	Canadian International College - CIC
GP2022.R17.50	Video Conference by Using Embedded Systems technology and Meeting Applications	Egyptian Russian University (ERU)
GP2022.R17.51	Applications of Virtual Reality in Healthcare	Menofia university
GP2022.R17.52	Self-driving solar panel cleaning robot	Nile University
GP2022.R17.53	Achromatopsia Driver-Assistance Systems	Alexandria University
GP2022.R17.54	Kido finder: Autonomous Robot with facial recognition module implemented on turtle bot	Cairo University
GP2022.R17.56	Intelligent microscope for TB detection	Assuit University
GP2022.R17.58	Federated Learning for Object Detection in Autonomous Vehicles	Nile University
GP2022.R17.59	EEG-based Brain Controlled Wheelchair for Quadriplegic Patients	The Higher Institute of Engineering and
GP2022.R17.61	Spoken Signs	Menoufia University
GP2022.R17.62	Chasetos: Autonomous Racing Car System Implementation on RC Car	Cairo University
GP2022.R17.63	Smart Buildings in 4th Generation Cities	Cairo University
GP2022.R17.66	Seventh Sense	Cairo University
GP2022.R17.67	Time-Triggered Embedded System for CubeSat	Alexandria University
GP2022.R17.68	Neural Arabic Question Answering system	Alexadria University
GP2022.R17.69	Real-Time Sign Language Translation Using Artificial Intelligence	Nile University
GP2022.R17.73	Exoskeleton and Lower Limb Prosthetics	Nile University
GP2022.R17.74	Surgical SCARA Robot using internet of things(IOT)	Menoufia University
GP2022.R17.76	Intelligent Vehicle Rerouting System For Congestion Control	University of Science and Technology at Zewail City
GP2022.R17.77	SoC FPGA Re-configurable Architecture for a Hardware Accelerated AI Based Controller in Smart Manufacturing	The British University in Egypt
GP2022.R17.82	face detector in car to increase security system	Cairo University
GP2022.R17.83	Smart vein detector	Menoufia University.
GP2022.R17.84	Aquaphoton Academy ROV	Alexandria University

GP2022.R17.87	killing corona virus using corona discharge	Kafr el Sheikh University
GP2022.R17.89	Printed Circuit Board Milling Machine	Assiut University
GP2022.R17.91	Blockchain-based Surveillance Framework	Arab Academy for Science, technology and
GP2022.R17.93	Derma Care	Menoufia University
GP2022.R17.95	Implementation of SDN for Enterprises	Banha University
GP2022.R17.97	Design a scale down standalone photovoltaic charging stations with internet of things(IOT) system for Electric Vehicles in Egyptian highway	Assuit Unviersty
GP2022.R17.99	Save driving	Menoufia University
GP2022.R17.100	Low-cost brain computer interface based communication system for people with lock-in syndrome	Suez Canal University
GP2022.R17.102	Vehicle-to-Vehicle Communications: Safety Aware Applications	Ain Shams University
GP2022.R17.103	Gate Patrol	Minoufia University
GP2022.R17.105	IOT based smart campus	Ain-Shams university
GP2022.R17.107	IoT based Smart Rotary Car Parking System	Assiut University
GP2022.R17.108	Design and Develop IoT Wearable Medical Devices Powered and Charged via Photovoltaic Systems	Mansoura University
GP2022.R17.110	Logo detection and analytics	Arab Academy For Science and Technology
GP2022.R17.113	Smart Cradle: IoT-based Infant Monitoring System	Minia University
GP2022.R17.116	Intelligent IoT-Based Tracking System for Constant Supervision of Health Status and Daily Activities of Children	Egypt-Japan University of Science and Technology
GP2022.R17.117	DermAI	Mansoura University
GP2022.R17.118	Raspberry pi Virus Fighter Robot	Higher Institutes of Technology
GP2022.R17.121	Camera based navigation system for blind and visually impaired people	Sohag university
GP2022.R17.122	Design and Fabrication of Self-Driving Service Robot in Dynamic Environments Using Deep Imitation Learning	Egypt-Japan University of Science and Technology
GP2022.R17.123	Development of The Software Package of The On-Board Computer Subsystem in a Cube Satellite with the addition of Swarm Satellite mode	Al-Azhar University
GP2022.R17.124	Robotic Scrub Nurse	Arab Academy for Science, Technology and
GP2022.R17.125	A one-step Admission and Health Check System for COVID-19 Control using PPG based on AI and IoT technologies	Assiut University
GP2022.R17.127	LifeSign	Al-Safwa High Institute of Engineering
GP2022.R17.132	ASRS (Automated Storage and Retrieval System)	Benha University
GP2022.R17.133	Smart insulin pump.	Helwan University.

GP2022.R17.134	Biomedical Modeling and Real-Time Simulation of Tissue Deformations via Physics-Based Deep Learning	Cairo University
GP2022.R17.136	Design and Implementation of a Laboratory Model for Smart Building System including PV Energy Unit	Cairo University
GP2022.R17.137	TARS Transportation Accidents Reducing System	Helwan University
GP2022.R17.138	Advanced Driver Assistance Systems (ADAS)	Zagazig University
GP2022.R17.140	Replacing the affairs officer with an intelligent system using Machine learning and AI	Portsaid University
GP2022.R17.141	Smart Robot for child development and protection, using storytelling and facial recognition	Mansoura University
GP2022.R17.142	Agrileena	Cairo University
GP2022.17.143	Trajectory planning and control for industrial robotic manipulator	Assiut University
GP2022.R17.144	Smart home controlled with smart assistant	Zagazig University
GP2022.R17.145	Cost-effective portable mechanical ventilator	Helwan University
GP2022.R17.146	Driving Assistant - Speed Estimation using Thermal Imaging	Zagazig University
GP2022.R17.149	My Personal Trainer	Cairo University
GP2022.R17.151	Bi-vision: Bilateral vision for early breast cancer diagnosis	Cairo University
GP2022.R17.153	Communication between ROS2 and AUTOSAR	AL-Azhar University
GP2022.R17.154	Smart implementation and Performance Evaluation of the network of the Faculty of Engineering, Aswan University	Aswan University