Project ID	Project Title	University Name
GP2024.R19.1	Diagnostic and Predictive Maintenance for Electric vehicle	Cairo University
GP2024.R19.7	Smart Electric Vehicle Charger	Helwan University
GP2024.R19.9	V2X Communication For Enhancing Emergency Vehicles Efficiency	Benha University
GP2024.R19.14	Mute motion (Adas for deaf drivers)	Zagazig University
GP2024.R19.17	Smart Trolley (AUCTUS)	Arab Academy for Science and Technology (AAST)
GP2024.R19.20	Smart Floating city	Future University of Egypt
GP2024.R19.22	AI powered Rehabilitation Mobile Lab for Comprehensive Patient Gait Analysis	Minia University
GP2024.R19.24	Smart Classroom Automation Based on Raspberry Pi with Object Detection and Mobile App Serial Bluetooth Communication	Arab Academy for Science and Technology (AAST)
GP2024.R19.25	Smart BMS and PMSM FOC implementation for EV using microcontroller-based approach	Cairo University
GP2024.R19.26	Autonomous mobile robot for warehouse management	Cairo University
GP2024.R19.27	Driving Monitoring Systems	Sohag Univerrsity
GP2024.R19.28	Intelligent Marketing Management Assisstant	Egyptian Chinese University
GP2024.R19.29	Driver assistance using V2X communication	Ain Shams University
GP2024.R19.33	Smart portable ECG device	Helwan University

PRP2024.R19.35	Smart Automotive with Eco Traffic Signs and Regular Signs Recognition System	Arab Academy for Science and Technology (AAST)
GP2024.R35.36	Warehouse Automation Through Mobile Robotics	Kafr El-sheikh University
GP2024.R35.37	Greenhouse Automation	Helwan University
GP2024.R19.41	Voice and eye gaze controlled by wheelchair	Modern Academy For Engineering and Technology
GP2024.R19.42	Ai-powered capsule endoscope	Helwan University
GP2024.R19.43	Embedded System Security Evaluation Tool	Helwan University
GP2024.R19.44	Hand rehabilitation glove	Helwan University
GP2024.R19.46	Design and Control of a Ball-Balancing Table	Assiut University
GP2024.R19.49	Autonomous car using LiDAR technology	Cairo University
GP2024.R19.50	Car and driver movement monitoring system	Benha University
GP2024.R19.52	Arabic-to-English Automatic Dubbing	Alexandria University
GP2024.R19.53	A Wearable Internet of Medical Things (IoMT) Device for Mood Monitoring and Depression Diagnosis using Deep Learning Techniques	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.54	RSSI-Based Antenna Tracking System	6 October University
GP2024.R19.55	Modular Drive System	Alexandria University
GP2024.R19.57	Automatic Controlled Robot Arm	Cairo University
GP2024.R19.58	Filling Line Control System using 4th industrial Technology	Cairo University
GP2024.R19.59	Design and Implementation of a Smart Stationary Training Bike	MSA University

GP2024.R19.60	Autonomous surveillance robot for deep learning based early warning security systems	Nile University
GP2024.R19.61	Multi-Modal Mobility Morphobot (M4)	Ain Shams University
GP2024.R19.62	Self driving car with V2V Communication	Assiut University
GP2024.R19.63	Towards Enhanced Autonomous Driving Experience	Port Said University
GP2024.R19.64	Automated Vulnerability Scanner	Cairo University
GP2024.R19.65	Land Mine Detection Robot	Helwan University
GP2024.R19.66	Human-Inspired Pick & Place Robot Equipped with a Soft Robotic Gripper	Cairo University
GP2024.R19.68	Smart Wheelchair for disabled	Cairo University
GP2024.R19.71	Design of FTTH network using a special designed fiber.	Tanta University
GP2024.R19.72	Safe drive guard	Helwan University
GP2024.R19.74	Auto Reporting Road's Obstacle System (ARROS)	Helwan University
GP2024.R19.75	Autonomous floor-cleaning robot	Assiut University
GP2024.R19.77	UVC DISINFICTION ROBOT	Arab Academy for Science and Technology (AAST)
GP2024.R19.79	EEG Based Brain Controlled Wheelchair System	Tanta University
GP2024.R19.81	Autonomous Delivery Mobile Robot	6 October University
GP2024.R19.82	Design & Building a Fully Autonomous Electric Car	Egyptian Russian University
GP2024.R19.84	Implementation of Control Strategies for PMSM Drives in Electric Vehicle (EV)	Cairo University

GP2024.R19.85	Damage Detection System for Facilities Based on Optical Sensing Technology	Elshrouk Academy - Higher institute of Engineering
GP2024.R19.87	AI Powered Student Platform	Ain Shams University
GP2024.R19.88	Mechatronics system for scalp cooling during chemotherapy of cancer patients	Assiut University
GP2024.R19.90	ADAS: Redefining Safety	Helwan University
GP2024.R19.94	IOT based centralized SCADA system for holding company for water and waste water (HCWW) & Tabal water treatment plant Automation system	Damietta University
GP2024.R19.95	LENSA	Mansura University
GP2024.R19.96	Design of Smart Electric Motorcycle	Mansura University
GP2024.R19.97	Controlling an Industrial Process using IoT	Cairo University
GP2024.R19.98	DC-UPS	Helwan University
GP2024.R19.99	Braille Reader and Translator Mobile App	Arab Academy for Science and Technology (AAST)
GP2024.R19.100	Vision-based automated parking system	Assiut Technological University
GP2024.R19.102	Vehicle Anti-theft system	Al-Azhar University
GP2024.R19.104	Renewable Energy-Powered Wireless Sensor Nodes for Smart Industrial Applications (Solar Tracking)	Zewail University of Science and Technology
GP2024.R19.106	Smart Agriculture System using Ai and IOT	Misr Higher Institute for Engineering and Technology, Mansoura
GP2024.R19.107	Traffic Collision Prevention	Benha University
GP2024.R19.109	Autonomous Agricultural Mobile Robot Based on AI Techniques	Benha University

GP2024.R19.110	Advanced Driving Assistance Systems (Drowsiness Detection – Lane Departure Warning – Adaptive Cruise Control – Blind Spot Detection – Emergency Caused Control – Forward Collision Control)	Egyptian Academy for Engineering and Advanced Technology
GP2024.R19.111	Autonomus harvesting robot	Arab Academy for Science and Technology (AAST)
GP2024.R19.112	Design of a CubeSat for water hyacinth detection using remote sensing and AI	Beni-Suef University (B.S.U)
GP2024.R19.114	Automated Sorting System using Image Processing (integrating PLC, HMI ,Computet , Vision and IIOT)	Beni Suef Technological University
GP2024.R19.117	Exoskeleton For Medical Purpose (Back Support Exoskeleton)	Arab Academy for Science and Technology (AAST)
GP2024.R19.118	CNC Router Milling Machine	Benha University
GP2024.R19.122	Development of a Wireless Power Charger Prototype for Electric Vehicles	Cairo University
GP2024.R19.123	Vehicle Speed Control Based on Intelligent Speed Adaptation	Canadian International Collage (CIC)
GP2024.R19.125	Autonomous Guided Vehicle Supported by Voice Commands for Blind Assist	Benha University
GP2024.R19.127	Modern Bank Secured Network	Minia University
GP2024.R19.128	Driver attention & health monitoring system	Helwan University
GP2024.R19.129	Development of a 6-Axis Robot Arm with Computer Vision	Benha University
GP2024.R19.130	Sagor - Automated Fish feeding and monitoring system	Mansura University
GP2024.R19.132	Process control of water treatment plant using programmable logic control (PLC) and Distributed control system (DCS) , and Data communication	Cairo University
GP2024.R19.134	Automatic Polisher Machine	Ain Shams University
GP2024.R19.137	Enhancement of Healthcare Workflow in Emergency Hospitals with a Comprehensive Information System	Cairo University
GP2024.R19.138	"Pyronerf" Fire suppression system	Arab Academy for Science and Technology (AAST)

GP2024.R19.139	Green house mobile robot	6 October University
GP2024.R19.140	AI-Synthesized Speech Detection	Ain Shams University
GP2024.R19.141	Optimizing the Design of Cognitive Training for Maximizing the Mental Readiness of Workforce Using AI and Immersive Technologies	Cairo University
GP2024.R19.142	Smart Harvesting Robot Utilizing YOLO v7 Object Detection Algorithm and IoT for Sustainable Agriculture	Canadian International Collage (CIC)
GP2024.R19.145	A Deep Learning Approach for Predictive Modeling in Healthcare	Arab Academy for Science and Technology (AAST)
GP2024.R19.146	Tour Guide Robot system	Ahram Canadian University
GP2024.R19.148	Design, Manufacture and Implementation of Automated Guided Vehicle (AGV) Mechanical, Electrical and Control System	German University in Cairo
GP2024.R19.149	Design, Manufacture and Implementation of Robotic arm Mechanical, Electrical and Control System	German University in Cairo
GP2024.R19.152	Dexterous snake robot	Arab Academy for Science and Technology (AAST)
GP2024.R19.153	EEG-Controlled Lower Limb Robotic Exoskeleton for Paraplegic Rehabilitation (NeuroGait)	Benha University
GP2024.R19.154	Intelligent Reflecting Surfaces (IRS) 5G and beyond	Higher Institute of Engineering and Technology - Kafr El-Sheikh
GP2024.R19.155	Live Stream Sign Language Application in Arabic	Cairo University
GP2024.R19.156	IoT smart shopping cart	Canadian International College – New Cairo Branch
GP2024.R19.160	Autonomous Waiter Robot	Misr university for science and technology (MUST)
GP2024.R19.161	Smart Gloves Assistant for deaf and dumb	Arab Academy for Science and Technology (AAST)
GP2024.R19.162	Autonomous Warehouse Robot	Alexandria University
GP2024.R19.163	Indoor Prototype Visible Light Communication (VLC) System for Data Transmission utilizing Li-Fi Technology	Pharos University in Alexandria

GP2024.R19.164	Smart Bed - IoT-Enabled Patient Monitoring and Signal Evaluating System	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.165	Smart Health Monitoring System	German University in Cairo
GP2024.R19.166	Self-Driving Electric Vehicles for Smart and Sustainable Mobility	Arab Academy for Science and Technology (AAST)
GP2024.R19.167	IIOT for suger production	Luxor University
GP2024.R19.168	Aqua Guardian – Unmanned Service Vehicle for Environmental Purposes	Nile University
GP2024.R19.169	A multifunctional and IOT-Based Smart Lifebuoy Water Rescue Robot	Mansura University
GP2024.R19.172	Road Damage Detection	Arab Academy for Science and Technology (AAST)
GP2024.R19.174	Biomechanical energy harvesting for self-powered active motion sensor	Arab Academy for Science and Technology (AAST)
GP2024.R19.178	Mind Matters: Bridging Minds for Better Health	Cairo University
GP2024.R19.179	Solar Panel Smart Automated Cleaner Robot	Zewail University of Science and Technology
GP2024.R19.181	Advanced Driver Assistance System (ADAS)	6 October University
GP2024.R19.182	Shipment Handling and Sorting using ROS-Enabled Autonomous Mobile Robots	Mansura University
GP2024.R19.183	AI-Quality Control for High-Speed Sorting in Automated Production Line using Delta Robot	Nile University
GP2024.R19.184	Design and construction of vein visualization device	Menoufia University
GP2024.R19.185	Design and Implementation of Automatic Syringe PumP	Menoufia University
GP2024.R19.189	Readify	Mansura University
GP2024.R19.190	FOTA with Driver Monitoring System	Alexandria University

GP2024.R19.191	V2X-Enabled Automatic Parking Using Embedded Linux	Cairo University
GP2024.R19.193	Design and development of Ground Station for Satellite Data Reception	Beni-Suef University (B.S.U)
GP2024.R19.197	Industry 4.0 and Digital Twins (DTs) for Smart Building Systems Based on Integration of Building Information Modeling (BIM), Machine Learning and Internet of Things (IoT)	Egyptian Aviation Academy, Ministry of Civil Aviation
GP2024.R19.198	Reconfigurable intelligent surface (RIS)	6 October University
GP2024.R19.200	The Driver Monitoring System (DMS) & V2X	Beni Suef Technological University
GP2024.R19.203	Intelligent Real Time Hypoglycemia Prediction for Type1 Diabetes	Nile University
GP2024.R19.205	Noninvasive Intelligent Blood Glucose Sensing System Food Type Impact	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.206	Driver Drowsiness Detection System	Beni-Suef University (B.S.U)
GP2024.R19.208	Energy Harvesting from Abdominal Aorta Dilation	Cairo University
GP2024.R19.211	Automated solar energy-powered reverse osmosis system	Arab Academy for Science and Technology (AAST)
GP2024.R19.212	Effective energy management and preserving batteries lifetime in microgrids using Artificial Intelligence machine learning and IoT	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.213	eGestra (Intelligent-Based EMG Sensor)	Arab Academy for Science and Technology (AAST)
GP2024.R19.222	Agricultural robot manages greenhouses using IoT and artificial intelligence	Arab Academy for Science and Technology (AAST)
GP2024.R19.226	Mars landing Simulator	Beni-Suef University (B.S.U)
GP2024.R19.227	FPGA based V2X Communication aided Emergency message Dissemination	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.228	Fully Automated PCB Inspection and Sorter System	Arab Academy for Science and Technology (AAST)
GP2024.R19.230	visually impaired smart glasses with safety system	Helwan University

GP2024.R19.234	Li-Fi-based Patient Monitoring System	Elshrouk Academy - Higher institute of Engineering
GP2024.R19.236	Design, Modeling and Control of a Robotic Soft Impactive Gripper with Soft Wrist	Benha University
GP2024.R19.238	Electrospinning Device	Benha University
GP2024.R19.239	Oxygen ultrasonic sensor for measuring (Flow + pressure + oxygen concentration)	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.240	Optical fiber reflections combined with artificial intelligence for smart motion sensing	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.244	precision cut off machine	Ain Shams University
GP2024.R19.247	Collaborative Obstacle Detection in Connected Autonomous Vehicles	The American University in Cairo
GP2024.R19.249	Foot Pressure Distribution Device to diagnose foot diseases and help rehabilitate injured people and athletes	Helwan University
GP2024.R19.250	Self Driving car	Benha University
GP2024.R19.251	3D Concrete Printing Technology	Assiut University
GP2024.R19.253	FPGA-Based Software Defined Radio In Timing Critical Status Update Systems	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.256	Investigating the Influence of Immersion Level on the Engagement Level in Cognitive Training	Cairo University
GP2024.R19.258	Smart irrigation farm based on PV system.	South Valley University
GP2024.R19.260	A Wearable Device for Parkinson Disease Symptoms Home Assessment	The British Univeristy in Egypt (BUE)
GP2024.R19.261	Smart Agriculture System	Future Academy
GP2024.R19.262	Fully Integrated Switched Capacitor DC-DC Converter Using 0.18u CMOS Technology For Low Power Biomedical Applications	South Valley University
GP2024.R19.263	Deep Learning for Dental Implant Prediction	Alexandria University

GP2024.R19.264	MobiliTech WheelAssist: TriMode Autonomy Plugin)	Ain Shams University
GP2024.R19.265	Filament Extruder Machine with IOT	Cairo University
GP2024.R19.266	Weed Management Agribot	Cairo University
GP2024.R19.269	Handheld scanning device for early detection of skin cancer	German University in Cairo
GP2024.R19.270	IOT based stepper motor position control for industrial automation	Sohag Univerrsity
GP2024.R19.274	Microwave based sensors for non-invasive blood clots sensing.	Ain Shams University
GP2024.R19.277	Car Accident Protection	Elshrouk Academy - Higher institute of Engineering
GP2024.R19.278	Development of electrical energy consumption reduction devices for communications tower	Cairo University
GP2024.R19.280	Sign language interpreter	Elshrouk Academy - Higher institute of Engineering
GP2024.R19.281	Electronic Human Limbs	Nahda University
GP2024.R19.282	Smart Tutoring System	Arab Academy for Science and Technology (AAST)
GP2024.R19.283	Development of a Persistent AI-Aided Multiplayer Game for Post-Apocalyptic City Survival	King Salman International University
GP2024.R19.285	Shake and Slither	Misr Higher Institute for Engineering and Technology, Mansoura
GP2024.R19.287	Multipurpose Smart Agricultural Robot Using IOT	Menoufia University
GP2024.R19.290	AI-powered application for early detection of vision disorders in school-aged children	Helwan University
GP2024.R19.291	Real-Time Traffic Car Accidents Anticipation	Alexandria University
GP2024.R19.294	Soft Robotic Prosthetic Hand	Benha University

GP2024.R19.296	Smart Water Cleaning Robot using, IOT (internet of things) and ROS (Aqua Roboat)	Heliopolis University for Sustainable Development
GP2024.R19.297	TechTraffic Innovation: A project to improve the transportation system in Egypt using technology and artificial intelligence	German University in Cairo
GP2024.R19.300	Robochair	Aswan University
GP2024.R19.303	Smart Mobile Robot Platform for Agricultural Applications	The British Univeristy in Egypt (BUE)
GP2024.R19.305	Bio-inspired fish robot for marine ecosystem monitoring	Nile University
GP2024.R19.306	Blockchain Application in Education	Arab Academy for Science and Technology (AAST)
GP2024.R19.308	AutoUpdate360 Personalized Firmware Updates with User Feedback and Analytics	Benha University
GP2024.R19.310	Migraine TENS	Mansura University
GP2024.R19.314	Robofactory: Automated guided vehicle	German University in Cairo
GP2024.R19.316	Development Of Smart IOT Based Vending Machine	The British Univeristy in Egypt (BUE)
GP2024.R19.317	Battery Management system	Aswan University
GP2024.R19.318	Robofarm-agriculture robotic platform	German University in Cairo
GP2024.R19.321	Safe Exam Browser using AI proctoring	Mansura University
GP2024.R19.325	Design and control of a Robotic Arm	Assiut University
GP2024.R19.330	Smart Retail Analytics System(SRAS)	Arab Academy for Science and Technology (AAST)
GP2024.R19.331	Smart Iot Fish farming system	Suez Canal University
GP2024.R19.334	IOT in agriculture	Aswan University

GP2024.R19.339	Easy Tour	Suez Canal University
GP2024.R19.342	Design CubeSat 12U as sustainable ADR device using AI tools for Space Debris Mitigation	Beni-Suef University (B.S.U)
GP2024.R19.343	Integrated PCB-Based AFPM Motor with Drive System	Aswan University
GP2024.R19.345	OGRA	Cairo University
GP2024.R19.348	A biomedical system device and IOT for detecting and monitoring malnutrition in school children	Helwan University
GP2024.R19.349	DOCKED (VR Ship Bridge Simulator)	Arab Academy for Science and Technology (AAST)
GP2024.R19.350	Aquaponic system based on IOT and AI	Port Said University
GP2024.R19.352	RescueBot: A Legged Robot for Search and Rescue Operations	Assiut University
GP2024.R19.353	Designing and implementation of pose estimation-based robotic hand for gesture recognition and its application in sign language translation	The British Univeristy in Egypt (BUE)
GP2024.R19.357	Development of optimized filament extruder and 3D printer used in bone tissue engineering	Menoufia University
GP2024.R19.358	DENTECH	Mansura University
GP2024.R19.359	Teleoperation Robot Glove control robot	Fayoum University
GP2024.R19.360	ATLAS	Cape Breton University | Cairo Campus
GP2024.R19.361	Design, manufacture and control of cartesian robot with 5 DOF for industrial application	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.363	Voice mime	Cairo University
GP2024.R19.365	Advancing Wi-Fi Localization for Enhanced Campus and Indoor Experiences	Zewail University of Science and Technology
GP2024.R19.367	Integrating V2X and AI in Advanced Driver Assistance Systems for Enhanced Road Safety	Zewail University of Science and Technology

GP2024.R19.369	Digital Twins of Transmission Towers Using IoT Sensors and Computer Vision	Arab Academy for Science and Technology (AAST)
GP2024.R19.374	Neuranest:A smart home to assist the handicapped leveraging AI, IoT and neuroscience	Kafr El-sheikh University
GP2024.R19.378	Landmine detection , deactivation and extraction	Pharos University in Alexandria
GP2024.R19.380	AI-based Printed Circuit Board (PCB) Drilling Machine	The British Univeristy in Egypt (BUE)
GP2024.R19.382	Waiter robot	Thebes Academy
GP2024.R19.384	Remotely controlled Garbage Collection and Identification Robot	Arab Academy for Science and Technology (AAST)
GP2024.R19.385	Smart Unmanned Underwater Vehicle (SUUV)	Nile University
GP2024.R19.387	Supporting Children with Autism Spectrum Disorder using Artificial Intelligence and Robotics	Mansura University
GP2024.R19.388	Smart Driver Assistance Systems for Autonomous Driving	Arab Academy for Science and Technology (AAST)
GP2024.R19.391	O3S - Open-source SIEM Solution Co-pilot	Arab Academy for Science and Technology (AAST)
GP2024.R19.393	On board vehicle diagnostic module (OBVDM)	Arab Academy for Science and Technology (AAST)
GP2024.R19.394	Smart Parking	Arab Academy for Science and Technology (AAST)
GP2024.R19.399	Over the air updates (OTA) for advanced driver assistance systems (ADAS) based on embedded systems, IOT and AI	Misr Higher Institute for Engineering and Technology, Mansoura
GP2024.R19.400	Vertical farming utilizing IoT and AI system	Modern Academy For Engineering and Technology
GP2024.R19.405	Codely: An Automated Generative AI-based Personalized Programming Educational System	Nile University
GP2024.R19.407	Electric Motor Drive System For Electric Bike	Cairo University
GP2024.R19.409	Autonomous Baby Stroller	Arab Academy for Science and Technology (AAST)

GP2024.R19.410	رفيقي	Arab Academy for Science and Technology (AAST)
GP2024.R19.415	Collision Avoidance & Safety Improvements : C-V2X System	Modern university for technology and information (MTI)
GP2024.R19.416	Hardware Accelerator for 1-D Convolutional Neural Networks for ECG Signal Processing	Arab Academy for Science and Technology (AAST)
GP2024.R19.417	Enhancing Intensive Care: Towards a Green, Smart, and Sustainable Hospital	Minia University
GP2024.R19.419	ECO-SORT	Arab Academy for Science and Technology (AAST)
GP2024.R19.420	Smart Infant Incubator	Arab Academy for Science and Technology (AAST)
GP2023.R19.422	Design and Manufacture of a Robotic Manipulator onboard a remotely operated Mars ROVER with autonomous capabilities for the European Rover Challenge 2024	Ain Shams University
GP2024.R19.424	Measurement and monitoring of glucose concentration using an optical-based system and deep learning	Egypt-Japan University of Science and Technology (E-JUST)
GP2024.R19.425	Self-driving wheelchair	Elshrouk Academy - Higher institute of Engineering