Project SN	Project Title	Project Type	Project Investigator Name	Academic Partner	Industrial Partner
1	Security System Based on Human Iris Structure	ARP	Dr. Magdy Fekry Mohamed Raga'ay	Cairo University	The Engineering Office for Integrated Projects
2	Instructional Video Content Searching Indexing through Audio Signal Analysis With Arabic Language Support	ARP	Dr. Mohamed Hisham Farouk ElSayed	Cairo University	No Industrial Partner
3	E-Stock Market Consultant	PDP	Dr. Mohamed Hassan Rassmy	Cairo University	Egytec Engineering Co.
4	Medical Diagnosis System for Endemic Using Self-Organizing Data-Mining Technology	ARP	Dr. Marghany Hassan Mohamed	Assiut University	No Industrial Partner
5	Miniature MEMS Spectrometer	PDP	Dr. Diaa Khalil	Ain Shams University	Si-Ware Systems
6	Virtual Tutor	PDP	Dr. Mohsen AbdelRazek Ali Rashwan	Cairo University	The Engineering Company for Digital Systems Development
7	Gray Images and Movies Computer-Based Coloring	PRP	Dr. Mohamed Abbas Moursy Shouman	Menofia University	No Industrial Partner
8	A Prototype Product for Enhancing The Capabilities of MS Project through An Integrated Tool Box Kit	PDP	Dr. Mohamed Abbas Moursy Shouman	El Zakazik University	ICT Professional Services
9	Web-Based Management System for Power Meter Measurements	PDP	Dr. Rafaat El Fouly	Cairo University	Edge Technology
10	Advanced Platform for Processing Medical Images of the Heart	PDP	Dr. Nael Fakhry Osman	Nile University	Diagnosoft Egypt
11	DNA Profiling System and Biomedical Applications	PDP	Dr. Mohamed Essam Khalifa	Ain Shams University	Data Management Systems
12	RFID-Based Hospital Positioning System	PDP	Dr. Ahmed samir fahmy	Cairo University	Crescent Technologies Inc.
13	Intelligent Information Discovery & Processing System	ARP	Dr. Mohamed Hashem	Ain Shams University	HARF Company
14	Universal Ethernet WIFI Enabled RFID Read/Write transceiver	PDP	Dr. Hany Selim Girgis	Assiut University	Alfa Electronics
15	Clear Vision: Interactive Visualization Tools for Business Intelligence	ARP	Dr. Mohamed Saad Abdel Aziz ghoniem	French University	Microtech
16	A Design Assistant System for Architects	ARP	Dr. Dina Mohamed Sameh Taha	Alexandria University	No Industrial Partner

17	Design and Implementation of Online Secure Data and Voice Integrated System	ARP	Dr. Eman Ashour	National Institute of Laser Enhanced Science	No Industrial Partner
18	Hardware-Software Massively Parallel Full Precision Analog Simulation Engine	ARP	Dr. Yasser Yousry Hanafy	Arab Academy For Science, Technology & Maritime Transport	Academy Company for Communications & Information Technology
19	Quality Assurance Management System	ARP	Dr. Amr Atef Kamel	Cairo University	Vertika
20	Valuable Discovery from Hyper-Spectral Images	ARP	Dr. Ibrahim Mohamed Fahmy Imam	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
21	Compact Front-End Components for Wireless Networks	PRP	Dr. Amr Mohamed Ezzat Safwat	Ain Shams University	No Industrial Partner
22	Human Identification Using ECG Signal	PRP	Dr. Mohamed Medhat Tawfik	Assiut University	No Industrial Partner
23	Implementation of Hardware Digital Image and Video Coder and Decoders	PRP	Dr. Gamal ElDeen Fahmy Mamdouh Ibrahim	German University in Cairo	No Industrial Partner
24	Ultra Low Power Bluetooth Transceiver Chip	PDP	Dr. Yehia Ismail Mohamed Kamel Ismail	Nile University	Silicon Vision
25	High-End 4D Ultra Sound Imaging System	PDP	Dr. Yasser Kadah	Cairo University	International Biomedical Engineering Technologies
26	Design and Implementation of the Physical Layer of the LTE Mobile Communication System with Beam-forming Antenna System	ARP	Dr. Essam Abdel Fattah Sourour	Alexandria University	Pyramid Tech
27	Design and Implementation of DVB-T Solution	ARP	Dr. Ahmed Farouk Mahmoud Shalash	Cairo University	Varkon Semiconductors
28	Arabic Search Engine	ARP	Dr. Mohamed Abdel Raouf Abdeen	Ain Shams University	COLTEC Corporation
29	Online Handwriting Arabic Character Recognition	ARP	Dr. Khaled Mostafa ElSayed	Cairo University	Gama Technology
30	Infrastructure Bridges Information Modeling	ARP	Dr. Mohamed Mahdy Marzouk	Nile University	BIM Engineering Solutions
31	Designing a Computer Aided Detection System for Breast Cancer Detection	ARP	Dr. Walid Ahmed Youssef	Helwan University	MESC for Research & Development

32	An Innovative Hotel Revenue Management System	ARP	Dr. Mohamed Mostafa Saleh	Cairo University	Comsys Software
33	A Product for Arabic Optical Character Recognition	PDP	Dr. Mohsen AbdelRazek Ali Rashwan	Cairo University	The Engineering Company for Digital Systems Development
34	Adaptive Power Management for Portable Wireless Applications	PRP	Dr. Ahmed Mohamed Salah Arafa Lasheen	Cairo University	No Industrial Partner
35	TraffiSense: An Integrated Visual Sensing System for Advanced Traffic Management	ARP	Dr. Mohamed Abdallah Gaber ElHelw	Nile University	INOTEK System
36	Sentiment Analysis and Opinion Mining of the Arabic Web	ARP	Dr. Ahmed Abdel Wahed Rafea	American University in Cairo	Link Development
37	Prototyping Metamaterial Antennas	ARP	Dr. Amr Mohamed Ezzat Safwat	Ain Shams University	El-Nady Company
38	Kids Stories Teller E-Reader (Al Rawy)	ARP	Dr. Mohamed Ahmed Shalan	Ain Shams University	Blue Com
39	Information Theoretic Cyber Security for Emerging Wireless Networks	ARP	Dr. Hesham Mahmoud Elgamal	Nile University	SmartApps
40	Crystal-Less LC-Based Reference Clock	PDP	Dr. Khaled Sharaf	Ain Shams University	Si-Ware Systems
41	MEMS Based Timing Chips for IT/Mobile Applications	PDP	Dr. Hany Fekry Mohamed Ragaee	Ain Shams University	MEMS Vision LLC
42	Design and Implementation of Low-cost Ladar System for Crash Avoidance	ARP		American University in Cairo	3DI, Inc. Company
43	Software Quality Control Automation Tool Suite	ARP	Dr. Mohamed Saed Abou gabal	Alexandria University	Unisoft
44	Commercialization of Decimal H/W Acceleration Technology for Greener Financial Computation	PDP	Dr. Hossam Ali Hassan Fahmy	Cairo University	SilMinds ,LLC
45	Soft Lock Smart Card Operating System	ARP	Dr. Ayman Bahaa	Ain Shams University	SoftLock
46	An Indoor-Outdoor Augmented Reality World Browser	ARP	Dr. Fatma Meawad	German University in Cairo	A - Tech Group
47	Tool for Extensive Management and Performance Optimization (TEMPO) for 3G	ARP	Dr. Mohamed Mohamed Khairy	Cairo University	Vodafone Egypt
48	Off-line Arabic Machine Printed Optical Character Recognition for Mobile Devices	ARP		Ain Shams University	CIT Mobidiv

49	MEMS Optical Coherence Tomography Module	PDP	Dr. Diaa Khalil	Ain Shams University	Si-Ware Systems
50	Proactive Content Delivery for Mobile Networks	ARP	Dr. Tamer Elbatt	Nile University	SmartApps
51	Web Of Objects	PDP	Dr. Wael Abdel Moniem Farag	Cairo University	NMATec
52	Cloud-based Virtual Lab System	ARP	Dr. Hesham Arafat Khalifa	Mansoura University	Cloud Niners
53	A Real-time Facial Recognition Framework on Mobile Phones Using Embedded GPUs	PRP	Dr. Ahmed Hazem El-Mahdy	Egypt-Japan University of Science and Technology	No Industrial Partner
54	Development Of A Cost Effective Crop Monitoring With Accurate Control For Intelligent Irrigation Systems	PRP	Dr. Ahmed Sayed Ahmed Allam	Egypt-Japan University of Science and Technology	No Industrial Partner
55	Integrated Wireless Indoor Planning and Optimization Tool for 3G/LTE Networks	ARP	Dr. Tallal Elshabrawy	German University in Cairo	Vodafone Egypt
56	Nerve Locator Design Enhancement, Manufacturing and CE Marking	ARP	Dr. Ayman Eldeeb	Cairo University	AI - Manar
57	Easi Clouds	ARP	Dr. Fatma Omara	Cairo University	IT - Worx
58	Targeting Mutated P53 for New Drug Design	PRP	Dr. Walid ElSayed Ali Gomaa	Egypt-Japan University of Science and Technology	No Industrial Partner
59	Cloud-Based Platform for Advanced Processing of Cardiac Imaging	PDP	Dr. Ahmed samir fahmy	Cairo University	Diagnosoft Egypt
60	Originality Analyzer for Arabic Text	PRP	Dr. Ashraf Saad Hussein	Ain Shams University	No Industrial Partner
61	Arabic Sign Language Translator (ASLT)	ARP	Dr. Nagwa Lotfy Mostafa Bader	Ain Shams University	Business Commercial House
62	ARTS: An Accurate and Reliable Traffic Estimation System	ARP	Dr. Mostafa Yousef	Egypt-Japan University of Science and Technology	Wireless Stars
63	A Fully Integrated Silicon IP for Wireless Zigbee Applications	PDP	Dr. Yehia Ismail Mohamed Kamel Ismail	American University in Cairo	Silicon Vision

64	Energy Harvesting for Self-Powered Wireless Tire Pressure Monitoring System	ARP	Dr. Mostafa Arafa	American University in Cairo	Smartech Group
65	Social Media Analytics	PRP	Dr. Amir Attia Suryal	Cairo University	No Industrial Partner
66	DecoAR : An Indoor-Based Augmented Reality Solution for Interior Design and Real Estate Marketing	ARP	Dr. Dina Mohamed Sameh Taha	Alexandria University	ITQAN for Smart Solutions
67	eNAV: Integrated Real time Navigation and Management System for Heavy Vehicles	ARP	Dr. Ahmed Ibrahim Ibrahim Mousa	German University in Cairo	Softec International
68	Design and Implementation of LTE Solution	ARP	Dr. Mohamed Nafie	Cairo University	Wasiela
69	Large Vocabulary Arabic Handwriting Recognition System	ARP	Dr. Aly Fahmy	Cairo University	TAYA IT
70	Photonics Integrated Circuits Verification Tool	PRP	Dr. Mohamed Swillam	American University in Cairo	No Industrial Partner
71	Design of Energy Efficient Embedded SRAM Memory and Standard Cells for Ultra-low Voltage Applications	PRP	Dr. Mohamed Amin Ibrahim Dessouky	Ain Shams University	No Industrial Partner
72	HDMI 2.0 Verification IP	ARP	Dr. Maged Ghoniema	Ain Shams University	Boost valley
73	Vehicles detection and tracking in videos in very crowded scenes employing quadrotors	PRP	Dr. Moataz Mahmoud Abd El Wahab	Egypt-Japan University of Science and Technology	No Industrial Partner
74	Multi-Source Energy Harvesting for Wireless Sensor Networks	PRP	Dr. Ahmed Nader Mohyeldin	Cairo University	No Industrial Partner
75	Automatic Early Detection of Mastitis Disease in Dairy Cows	ARP	Dr. Mohamed Rushdi	Cairo University	Farminal
77	A Microfluidic Platform for Liver Cancer Cells Detection, Identification and Sorting	PRP	Dr. Yehya Hassan Ghallab	Zewail City of Science and Technology	No Industrial Partner
78	Solar Panel Characterizer	PRP	Dr. Amr Nabil Helmy	Zewail City of Science and Technology	No Industrial Partner
79	Low-Power 12 -Gbps Multi-Standard SERDES PHY	PRP	Dr. Sameh Ibrahim	Ain Shams University	No Industrial Partner
80	Cloud-based 3D Teleradiology for Rural Areas	PRP	Dr. Mohamed Abdelazim Shaheen Elgamel	Alexandria University	No Industrial Partner

81	Nano-enriched, Autonomous, and Trustworthy Sensing Framework for Water-pollution	ARP	Dr. Mohamed Rizk Mohamed Rizk	Alexandria University	Pulse for Integrated Solutions
82	Fully Integrated Weather Station Chips for Smart Phones & Tablets	PDP	Dr. Hany Fekry Mohamed Ragaee	Ain Shams University	MEMS Vision LLC
83	A mm-Wave Transceiver for Medical Imaging Applications	PRP	Dr. Ahmed Ahmed Eladawy Emira	Cairo University	No Industrial Partner
84	Speeding up Fast Fourier Transform	PRP	Dr. Omar Ahmed Nasr	Cairo University	No Industrial Partner
85	SEOUL (Sustainable & Environment Friendly Optimizer for Urban Landscape	ARP	Dr. Osama Hosny	American University in Cairo	Smart Wave Technologies
86	Mobile Based Jaundice Meter	ARP	Dr. Mohamed Ibrahim Ismail Owis	Cairo University	BioBusiness
87	Blink! A Smartphone based Automatic Accident Detection and Notification System	ARP	Dr. Ahmed Hazem El-Mahdy	Egypt-Japan University of Science and Technology	BenaIT
88	Indoor Positioning System based on Mobile Crowd Sensing	PRP	Dr. Yasmin Aly Hassan Fahmy	Cairo University	No Industrial Partner
89	Ultrasound Elastography Add-on Module for Characterizing Liver Tissue	PRP	Dr. Ahmed M. Ehab Mahmoud	Cairo University	No Industrial Partner
90	Navirize: A Calibration-free Accurate Indoor Positioning System for Realistic Environments	PDP	Dr. Mostafa Yousef	Egypt-Japan University of Science and Technology	Navirize
91	Inertial Stabilization Platform Product Development	PDP	Dr. Amr Galal Eldeen Ahmed Wassal	Cairo University	Si-Ware Systems
92	Software Factory Approach for knowledge-based EHR Systems	ARP	Dr. Mohamed Bassuny Mohamed Abou Ela Khalifa	Alexandria University	Accorpa
93	Citrus Fruits Grading System Based on Machine Vision	PRP	Dr. Mohamed Sharraf Ismail Sayed	Egypt-Japan University of Science and Technology	No Industrial Partner
94	Enhanced Source of Entangled Photons for applications in Quantum Encryption	PRP	Dr. Salah Ahmed Sabri Obyei	Zewail City of Science and Technology	No Industrial Partner

95	Arabic Sign Language Translator	PDP	Dr. Nagwa Lotfy Mostafa Bader	Ain Shams University	Business Commercial House
96	Active Implantable Neural Interface Platform	ARP	Dr. Hassan Mostafa Mostafa	Cairo University	Novela Egypt
98	CANTrack	ARP	Dr. Wael Abdel Moniem Farag	Cairo University	Bright Skies
99	Optimized Implementation of Tuning Mechanisms in Reconfigurable RF Resonators for Advanced Wireless Systems	PRP	Dr. Adham Naji	The British University in Egypt	No Industrial Partner
100	Development of Touch Screen Platform Based on Carbon Nanostructures	PRP	Dr. Mostafa El Ashry	Egypt Nanotechnology Center	No Industrial Partner
101	Automatic Arabic Sign Language Recognition from RGBD Data	PRP	Dr. Moataz Mahmoud Abd El Wahab	Egypt-Japan University of Science and Technology	No Industrial Partner
102	Nano-Composite Anode for High Performance Li-Ion Batteries	PRP	Dr. Osama Tobail	Egypt Nanotechnology Center	No Industrial Partner
103	IVISIA : Intelligent Video IP Surveillance Integrated Analytics	PDP	Dr. El Sayed Eissa Abdo Hamed	Cairo University	AvidBeam
104	Complete System for Energy Management Including Renewable Energy Based on Smart Meter Innovative Design and Machine Learning	ARP	Dr. Mohamed Ahmed Mostafa Hassan	Cairo University	TieTec
105	Low-Cost Attitude Determination In Nanosatellites	PRP	Dr. Mohamed Serry	American University in Cairo	No Industrial Partner
106	Locally-developed Wireless Sensor Network Modules for Smart Internet of Things Applications	PRP	Dr. Yasser Gadallah	American University in Cairo	No Industrial Partner
107	Hydrocarbon Production Optimization Computer-Assisted Decision	PRP	Dr. Dalia Magdy	French University	No Industrial Partner
108	SIWMS: Smart Irrigation Water Management System	ARP	Dr. Ahmed Sayed Ahmed Allam	Egypt-Japan University of Science and Technology	SpimeSenseLabs
109	KetApp: Books Supercharged	ARP	Dr. Amr Ghoneim	Helwan University	Dashsoft
110	Social Media Analytics for Arabic Dialects	ARP	Dr. Amir Attia Suryal	Cairo University	AlKhawarizmy Software

111	Developing Content Based Retrieval system for Dermatology Image Databases	PRP	Dr. Inas Yassin	Nile University	No Industrial Partner
112	Analyzing Trends of Discussion Topics in Community Question Answering Services	PRP	Dr. Neamat ElTazi	Cairo University	No Industrial Partner
113	Smart Droplet: An Enabler for Fog Networks	PRP	Dr. Omar Nasr	Cairo University	No Industrial Partner
114	An Innovative Optimization Framework for a High Frequency Trading Tool for Stock Markets	PRP	Dr. Ayman Ahmed Sabry Abdel Rahman Ghoneim	Cairo University	No Industrial Partner
115	Self-Powered FPGA for rapid prototyping for Wireless Sensor Nodes (WSNs)	PRP	Dr. Hamdy Abd Elhamid	Zewail City of Science and Technology	No Industrial Partner
116	BLE MANET CAD Platform For IoT	PDP	Dr. Atef Mohamed Zaky Ghalwash	Helwan University	Qoudra
117	POTOO: A Low-Power 12-Gbps Multi-Standard SERDES PHY	ARP	Dr. Sameh Ibrahim	Ain Shams University	Mipex
118	Automatic Malfunction Analysis (AMAN)	ARP	Dr. Abdelwahab ElSamak	Banha University	PiTechnologies
119	Automatic Crowd Scene Analysis and Anomaly Detection From Video Surveillance Cameras	PRP	Dr. Walid ElSayed Ali Gomaa	Egypt-Japan University of Science and Technology	No Industrial Partner
120	Detecting Emotional Tone and Sentiment Targets in Arabic Tweets	PRP	Dr. Samhaa ElBeltagy	Nile University	No Industrial Partner
121	PCB Inspection Using Intelligent Analysis of Thermograms	PRP	Dr. Mohamed Hisham Farouk ElSayed	Cairo University	No Industrial Partner
122	A High Performance Bioinformatics Software Package for Pathogen Detection and Virulence Elements Comprehension (PDVEC)	PRP	Dr. Mahmoud El Hafnawy	Nile University	No Industrial Partner
123	A Cost Effective Microwave System for Soil Sanitation	PRP	Dr. Adel Bedair	Egypt-Japan University of Science and Technology	No Industrial Partner
124	Droplet Formation on Microfluidic Chip for Miniaturized PCR Applications	PRP	Dr. Ahmed Mohamed Rashad Fath el Bab	Egypt-Japan University of Science and Technology	No Industrial Partner

125	Sentiment Analysis Tool for Arabic	PDP	Dr. Ahmed Abdel Wahed Rafea	American University in Cairo	The Engineering Company for Digital Systems Development
126	Call Center Voice Classification using Big Data Techniques	ARP	Dr. Mohamed Nafie	Cairo University	Linux Plus
127	TESTICIDE, Tester's Pesticide	ARP	Dr. Hassan Fouad Mohamed El Sayed	Helwan University	TESTICIDE
128	Humanized Digital Marketplace	PRP	Dr. Mohamed Abdelghany	American University in Cairo	No Industrial Partner
130	Face In/Out: Time and Attendance Tracking System using Facial Biometrics, Emotional Expressions and Mobile Devices	ARP	Dr. Moumen Elmelegy	Assiut University	UESystems Co.
131	Ultrasound Elastography Add-on Module for Detecting Breast Tumors	ARP	Dr. Ahmed M. Ehab Mahmoud	Cairo University	DilenyTech Smart Solutions
132	An Electrokinetic Based Microfluidic Platform for DNA Detection, Identification and Sorting	PRP	Dr. Yehya Hassan Ghallab	Zewail City of Science and Technology	No Industrial Partner
133	A Ray Tracing Simulator for Radio Wave Propagation Based on Geometric Algebra	PRP	Dr. Sherif Mohamed Abou El Enen	Port-Said University	No Industrial Partner
134	Photonic superlattice for generating and engineering hyperentangled_photons Core of quantum computation and encryption systems	PRP	Dr. Salem Farag Salem Hegazy	Zewail City of Science and Technology	No Industrial Partner
135	Tunable ultra-low phase noise MEMS	PRP	Dr. Haytham Abdel Salam Omran	German University in Cairo	No Industrial Partner
136	BlinkApp! A Smartphone based based Automatic Accident Detection, Risk Assessment, & Notification System	PDP	Dr. Ahmed Hazem El-Mahdy	Egypt-Japan University of Science and Technology	BlinkApp
137	AutoAIDO:Automation of Analog IC Design and Optimization	PRP	Dr. Hisham Abdel Salam Omran	Ain Shams University	No Industrial Partner
138	Nun Arabic Text To Speech	ARP	Dr. Hazem Mahmoud Abbas	Ain Shams University	Global Technical Services
139	eMicroscopy eHealth System for Automated Microscopy-based Lab Diagnosis	PRP	Dr. Moumen Elmelegy	Assiut University	No Industrial Partner
140	xPython, A Trusted Python Environment for the Internet of Things and Embedded Systems	ARP	Dr. Mohamed Aly Aly Sobh	Ain Shams University	GX Computing
141	Ku-Band Printed Antenna for Movable Earth Segment Applications	PRP	Dr. Ahmed Mohamed Atteya Salem	Electronics Research Institute	No Industrial Partner

142	M2auth Multimodal Behavioral Biometric Authentication Framework on Smartphones	PRP	Dr. Ahmed Mohamed Mahfouz	Minia University	No Industrial Partner
143	ESITIP - Personal Electric Autonomous Vehicle (PEAV)	PDP	Dr. Mohamed Ahmed Abdel Aziz	Ain Shams University	MATGR for Trading & Engineering
144	Development of Microfluidic System for Miniaturized PCR Applications	ARP	Dr. Ahmed Mohamed Rashad Fath el Bab	Egypt-Japan University of Science and Technology	Alex Biotechology
145	eCervello-A Novel Multi-tier Big Data Analytics Framework for IoT-based Predictive Maintenance	ARP	Dr. Tamer Elbatt	American University in Cairo	IOTBLUE MEA
146	Cloud-based Cardiac CT Analytics	ARP	Dr. Tamer Basha	Cairo University	Advanced Intelligent Technologies
147	Infinity LED Driver A Long-Lifetime Integrated AC-DC LED Driver	ARP	Dr. Mohamed AbdelAziz Mohalel Oraby	Aswan University	Vidatronic Egypt
148	Lumiere(c) Integrating EEG and Facial Expressions for the Automatic Detection of Cognitive Skills	ARP	Dr. Hatem Adel Fayed	Zewail City of Science and Technology	SMACRS
149	iGRASP (innovative Glove for Rehabilitation and Assistance using Smart-features and Performance-feedback)	PRP	Dr. Mohamed Ibrahim Mohamed Hassan Awad	Ain Shams University	No Industrial Partner
150	Power Management System for Biomedical Implanted Devices	PRP	Dr. Ahmed Nader Mohyeldin	Cairo University	No Industrial Partner
151	A Micro Electrical Impedance Spectroscopy for (µEIS)Breast Cancer Cells Electrical Parameters Detection and Identification	PRP	Dr. Yehya Hassan Ghallab	Zewail City of Science and Technology	No Industrial Partner
152	Smart Integrated On-Board Battery Charger for Electric Vehicle Applications	PRP	Dr. Ayman Sami Abdel Khalek	Alexandria University	No Industrial Partner
153	Low cost complexity equalization system for enhancing the capacity and reach of multimode optical fibers	PRP	Dr. Karim Abdel Fattah El Sayed Saied	Zewail City of Science and Technology	No Industrial Partner
154	Meta-cognitive Module for Optimized LTE-UWiFi Coexistence	PRP	Dr. Amr El Sheif	Nile University	No Industrial Partner
155	Deep learning-based resolution enhancement of miniaturized FTIR spectrometers	PRP	Dr. Sherif Abou El Aneen	Port-Said University	No Industrial Partner
156	Integrated optical mode division multiplexers on silicon photonics technology	PRP	Dr. Salwa El Saban	Helwan University	No Industrial Partner

157	An Efficient Power Delivery Structure for Data Centers	PRP	Dr. Mostafa Saad Hamad	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
158	Design and Implementation of hardware Internet of Things (IoT) Adaptive Security Supporting System	PRP	Dr. Hassan Mostafa	Zewail City of Science and Technology	No Industrial Partner
159	Edu-Edge Adaptive e-Learning Platform	PDP	Dr. Shehab Gamaleldin	Al - Azhar University	4S Technology
160	ESITIP - PVOLTAI4_Research And Development of O&M Technologies For PV Plants Management	PDP	Dr. Yehia Ismail	American University in Cairo	Empower Energy System
161	CLIP - Using Machine Learning to Reinforce Customer Loyalty Intelligent Personalization	ARP	Dr. Mostafa M. Aref	Ain Shams University	MiniMax Software Solution
162	A Robust Wearable Activity Recognition System based on IMU Signals	PRP	Dr. Walid Gomaa	Egypt-Japan University of Science and Technology	No Industrial Partner
163	Environment-Friendly Electromagnetic-Based Solutions for the Cotton Leaf Worm in Egypt	PRP	Dr. Haitham Sharaf	Cairo University	No Industrial Partner
164	Smart Image-Based Localization for Augmented Reality application	PRP	Dr. Samia Meshaly	Electronics Research Institute	No Industrial Partner
165	Classification and prediction of lung cancer using both Genomic and CT scan Image Analyses	PRP	Dr. Moataz Abdelwahab	Egypt-Japan University of Science and Technology	No Industrial Partner
166	CIPOLIVE	ARP	Dr. Ahmed Khattab	Cairo University	Smartech Group
167	Intelligent Thermal Imaging Processor for IoT application	PRP	Dr. Yasmin Fahmy	Cairo University	No Industrial Partner
168	Wirelessly-Controlled Fully Implantable Smart Micropumping System for Local Anti-Cancer Drug Delivery in Pediatric Patients	PRP	Dr. Mohamed Serry	American University in Cairo	No Industrial Partner
169	Orange Real-Time grading Machine	PDP	Dr. Hisham El Deeb	Electronics Research Institute	Fruitful Solutions
170	Contactless Instantaneous Blood Pressure Monitoring For The Intensive Care Unit (CIBPM)	ARP	Dr. Osama Ahmed	Aswan University	Advanced Computer Systems (ACS)
171	Plant leaf diseases diagnosis and treatment App	ARP	Dr. Mona Nasr	Helwan University	Data Technology
172	Kids Guard SAFEty framework (KG-Safe)- An AI-based system for kids safety	PRP	Dr. Omar Nasr	Cairo University	No Industrial Partner

173	Low-Power Acquisition System for Continuous Wireless Blood Pressure Monitoring	PRP	Dr. Sameh Ibrahim	Ain Shams University	No Industrial Partner
174	Embedded Video Surveillance based on IoT & ML for Smart City	PRP	Dr. Mohamed Abdelmegeed	German University in Cairo	No Industrial Partner
175	Smart Water Meter	PDP	Dr. Hesham El Deeb	Electronics Research Institute	The Engineering Office for Integrated Projects
176	Meta learning core for Vehicular Networks	PRP	Dr. Maha Sabrouty	Egypt-Japan University of Science and Technology	No Industrial Partner
177	Smart Production Planning & Scheduling (SPPS)	PRP	Dr. Lamia Shihata	German University in Cairo	No Industrial Partner
178	Smart Spout A Water Quality System based on Big Data Analytics and Internet of Things in the Context of Smart City Initiatives in Egypt	PRP	Dr. Ayman El Sayed	Menofia University	No Industrial Partner
179	A Software Defined Radio-based LoRa Receiver for Dense IoT Deployments within Smart Cities	PRP	Dr. Tallal Elshabrawy	German University in Cairo	No Industrial Partner
180	Android Malware Detection via Reservoir Computing and Graph Convolutional Deep Learning Networks	PRP	Dr. Khaled El Sayed	Cairo University	No Industrial Partner
181	LDLCT A Framework for Lesion Detection on Lung CT Scan	PRP	Dr. Eman Badr	Zewail City of Science and Technology	No Industrial Partner
182	Wireless Ultrasound Transducer Interface for Industrial IoT Level Sensing Applications	PDP	Dr. Hany Ragie	Ain Shams University	MEMS Vision LLC
183	Augmented reality to measure imagination using dynamic visualization and tangible interactions	PDP	Dr. Niveen El Sayed	No Academic Partner	APPTCOM software development
184	Smart online platform for Breast Imaging and Reporting (BE-SMART)	PDP	Dr. Ahmed Mahmoud Ehab	No Academic Partner	DilenyTech Smart Solutions
185	AvidHealth On Detecting and Enforcing Compliance with Public Health Guideline	PDP	Dr. Hani El Gebally	No Academic Partner	AvidBeam
186	A Smart Public Parking System	ARP	Dr. Mostafa Saad Hamad	Arab Academy For Science, Technology & Maritime Transport	AIT Systems
187	EME - Zeus An electric powertrain for mid-size city transport vehicles	PDP	Dr. Ahmed Nagiub El Mekawy	Alexandria University	Bright Skies

188	EME - MEMS SAW-Based Reference Clock	PDP	Dr. Mohamed Dessouky	No Academic Partner	Pearl Semiconductor Egypt
189	Smart Vent A low-cost, AI-enabled, connected ventilator	ARP	Dr. Ahmed El Mahdy	Egypt-Japan University of Science and Technology	Spectrum Diagnostics
190	Myo-Speech AI-Based System for Facilitating Societal Integration of the Speech Impaired	PRP	Dr. Ahmed Morsy	Cairo University	No Industrial Partner
191	EME FabArtist – Home 3D Printing Solution for Kids & Families	PDP	Dr. Hisham Haddara	No Academic Partner	Fab - Minds
192	VCOACH Virtual Coaching for Indoors and Outdoors Sporting	ARP	Dr. Walid Gomaa	Egypt-Japan University of Science and Technology	XIOT LLC
193	BCIDroid A Universal Brain-controlled Interface for Smartphones	PRP	Dr. Seif Eldin Mohamed Eldawlatly	German University in Cairo	No Industrial Partner
194	Smart Integrated On-Board Battery Charger for Electric Vehicle Applications	ARP	Dr. Ayman Samy Abdel-Khalik	Alexandria University	AWB Electronics, LTD
195	Lung Cancer Detection in Chest X	PRP	Dr. Mustafa Ahmed Ibrahim Mohamed Elattar	Nile University	No Industrial Partner
196	Scalable Three-Phase AC Module -Smarter System for Next Era Photovoltaic System	PRP	Dr. Mohammed Orabi	Aswan University	No Industrial Partner
197	Interactive Smart Application for Museums Education (iSAME)	PRP	Dr. Mohamed Saeed Mohamed Darweesh	Nile University	No Industrial Partner
198	OnChipBiosensor	PRP	Dr. Mohamed Swillam	American University in Cairo	No Industrial Partner
199	Cordoba Ethernet & CAN Bus; Monitor & Tester for Automotive Busses	PRP	Dr. Sherif Hamad	Ain Shams University	No Industrial Partner
200	An AI-Enabled Virtual Reality Training Tool for Mental Healthcare Professionals Working with People with Psychotic Disorders	PRP	Dr. Nour Eldeen Hassan ElMadany	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
201	The Analog Designer's Toolbox (ADT)	ARP	Dr.Hisham Abdel Salam Omran	Ain Shams University	Master Micro

202	A Stress Management and Assessment System Using Virtual Reality, Wearables, and Artificial Intelligence	PRP	Dr. Omneya Attalah	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
203	Multi-wavelength laser source based on silicon micro-resonator and dense wavelength division demultiplexer	PRP	Dr. Hussein Essa Abdel salam Kotb	Ain Shams University	No Industrial Partner
204	Radiation Dosimeter Based on MOSFET Technology (RadFET)	PRP	Dr. Amr Mamdouh Bayoumi	Zewail City of Science and Technology	No Industrial Partner
205	Efficient designs of plasmonic functional devices for future optical communication networks	PRP	Dr. Salah Ahmed Sabri Obyei	Zewail City of Science and Technology	No Industrial Partner
206	A Data-driven Assessment approach for the Economic Viability of Unconventional Oil and Gas Reservoirs	PRP	Dr. Nourhan Tarek Refaat Sakr	American University in Cairo	No Industrial Partner
207	Multi-Purposes Reading IoT-Based Smart Platform-Contract signing delay	PRP	Dr. Ahmed Soltan	Nile University	No Industrial Partner
208	Dentistry digitizing (DentCase All-in-one dental 3D printing workflow)	PDP	Dr. Alaa Eldeen Fathy Rizk Thabet Mohamed	Ain Shams University	Mogassam Labs
209	Virtual Reality-Based System for Neck Rehabilitation in Work Environments	PRP	Dr. Ahmed Fathy Mohamed El Kabany	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
210	Integrated Application for Creating 3D Models out of 2D Images	PDP	Dr. Mohamed Abdel Megeed Salem	German University in Cairo	ITQAN for Smart Solutions
211	Cloud-based Cardiac CT Analytics	PDP	Dr. Tamer Basha	Cairo University	Advanced Intelligent Technologies
212	Integrated Applications for Video Surveillance for Smart Cities Using IoT and Edge Computing	ARP	Dr. Mohamed Abdel Megeed Salem	German University in Cairo	NHANC for Cloud Technology
213	Development of Low-Cost Silk Nanocomposite Multifunctional Sensors for Human Health Monitoring	ARP	Dr. Amr Essawy Saleh	Cairo University	EvoSmart ltd.
214	Smart-TO2 Bandage For Wound Healing	ESITIP	Dr. Mohamed Serry	American University in Cairo	Pulse for Integrated Solutions
215	OneAppRISCV Application Specific RISC-V Core Generator	PRP	Dr. Cherif Ramzi Salama	American University in Cairo	No Industrial Partner

216	Ring Oscillator Based Capacitive Sensor Array for High-Speed Flow Cytometry	PRP	Dr. Yehia Ismail	American University in Cairo	No Industrial Partner
217	Research-Scale Benchtop Equipment for CMOS Fabrication	PRP	Dr. Amr Mamdouh Bayoumi	Zewail City of Science and Technology	No Industrial Partner
218	TACT-Pro	PDP	Dr. Ahmed Median	Nile University	Interact Labs
219	An AI-Based Helpline and a Holistic Mental Health Platform for Arabic Speakers	ARP	Dr. Mohamed El Ramly	Cairo University	Nagah Now
220	TALENTINO	ARP	Dr. Mostafa ElShafei	Zewail City of Science and Technology	Arete Consulting
221	A Cloud-Based Battery Management System for Electric Vehicles using Digital Twin-Guides	PRP	Dr. Eman Hamad	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
222	An Underwater AR based System for Marine Life Detection and Classification for Divers and Tourists	PRP	Dr. Amr El Sherif	Egypt University of Informatics	No Industrial Partner
223	Ventilator with a smart ultrasound system to control ventilator parameters	PDP	Dr. Aboubakr Youssef	No Academic Partner	Elmashreq
224	Development of standalone device for improving the detection of viral infections for biological samples via automated microfluidic approach	ARP	Dr. Mahmoud Abdel Moez	Assiut University	SICO
225	Pre-Emergency Alert IoT System Based on Wearable Devices for Diabetic Patient	ARP	Dr. Ahmed Soltan	Nile University	Acuanix
226	Development of A new Automatic External Defibrillator	PRP	Dr. Mohsen Abelnaiem	EJUST	No Industrial Partner
227	Optimization of Fuzzy Electric Vehicle Routing Problem	PRP	Dr. Mohamed Ahmed Wahby	Nile University	No Industrial Partner
228	A Blockchain Based Autism Service Platform	PRP	Dr. Khaled Mahar	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
229	SPECTRAWARE SPECTRum AWAREChip for intelligent and Secure Wireless	ARP	Dr. Amr Wassal	Cairo University	Inspectrum
230	Towards Smart Systems in Water Desalination Industry–Faults Detection Employing Machine Learning	PRP	Dr. Amr Abdelkader	The British University in Egypt	No Industrial Partner

231	A Complete Breast Cancer Detection System using Microwave Imaging sensor	PRP	Dr. Dalia Nashaat	Badr University	No Industrial Partner
232	Deep Learning-based Solution for Code Cloning Detection	PRP	Dr. Rabab Abdel Kader	Port-Said University	No Industrial Partner
233	AI-based Analysis for Internet of Video Things Surveillance Data in Smart Cities	PRP	Dr. Mohamed Saleh	Pharous University	No Industrial Partner
234	Robotic-Assisted Intravenous Injection System	PRP	Dr. Omar Shalash	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
235	Modular smart mobile robot	PDP	Dr. Mahmoud Magdy	British University in Egypt	Innovision Systems
236	ADT Porting Assistant	ARP	Dr. Hisham Omran	Ain Shams University	Master Micro
237	A Software Defined Radio-based LoRa Solution for Dense IoT Deployments within Smart Cities	ARP	Dr. Tallal Elshabrawy	German University in Cairo	Smart Solutions for Technology Management (SSTM Egypt)
238	EME - A Fully-Integrated Transceiver ASIC for Handheld Ultrasound Imaging Application	PDP	Dr. Essam Sobhy	No Academic Partner	MEMS Vision LLC
239	EME Calida nCPAP	PDP	Dr. Sherif El Gohary	Cairo University	BioBusiness
240	Development of Binder Jet Additive Manufacturing Machine for Metallic and Ceramic Products	ARP	Dr. Ahmed El Sabbagh	AinShams University	Robota
241	Smart Spout A Water Quality System based on Big Data Analytics and Internet of Things in the Context of Smart City Initiatives in Egypt	ARP	Dr. Ayman El Sayed	Menoufia University	EA for Software Solutions
242	Deep Learning-based Video Anomaly Detection Framework for Intelligent Transportation Systems	PRP	Dr. Lamiaa El Refaie	Banha University	No Industrial Partner
243	Development of a Smart DataAcquisition system for Lower LimbExoskeletons (SDALLE)	PRP	Dr. Hanady Hussein Issa	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner