

Project SN	Project Title	Industrial Partner	Academic Partner
1	Security System Based on Human Iris Structure	Cairo University	The Engineering Office for Integrated Projects
2	Instructional Video Content Searching Indexing through Audio Signal Analysis With Arabic Language Support	Cairo University	No Industrial Partner
3	E-Stock Market Consultant	Cairo University	Egytec Engineering Co.
4	Medical Diagnosis System for Endemic Using Self-Organizing Data-Mining Technology	Assiut University	No Industrial Partner
5	Miniature MEMS Spectrometer	Ain Shams University	Si-Ware Systems
6	Virtual Tutor	Cairo University	The Engineering Company for Digital Systems Development
7	Gray Images and Movies Computer-Based Coloring	Menofia University	No Industrial Partner
9	Web-Based Management System for Power Meter Measurements	Cairo University	Edge Technology
10	Advanced Platform for Processing Medical Images of the Heart	Nile University	Diagnosoft Egypt
11	DNA Profiling System and Biomedical Applications	Ain Shams University	Data Management Systems
12	RFID-Based Hospital Positioning System	Cairo University	Crescent Technologies Inc.
13	Intelligent Information Discovery & Processing System	Ain Shams University	HARF Company
14	Universal Ethernet WIFI Enabled RFID Read/Write transceiver	Assiut University	Alfa Electronics
15	Clear Vision: Interactive Visualization Tools for Business Intelligence	French University	Microtech
16	A Design Assistant System for Architects	Alexandria University	No Industrial Partner
17	Design and Implementation of Online Secure Data and Voice Integrated System	National Institute of Laser Enhanced Science	No Industrial Partner
18	Hardware-Software Massively Parallel Full Precision Analog Simulation Engine	Arab Academy For Science, Technology & Maritime Transport	Academy Company for Communications & Information Technology
19	Quality Assurance Management System	Cairo University	Vertika
20	Valuable Discovery from Hyper-Spectral Images	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
21	Compact Front-End Components for Wireless Networks	Ain Shams University	No Industrial Partner
22	Human Identification Using ECG Signal	Assiut University	No Industrial Partner
23	Implementation of Hardware Digital Image and Video Coder and Decoders	German University in Cairo	No Industrial Partner
24	Ultra Low Power Bluetooth Transceiver Chip	Nile University	Silicon Vision

25	High-End 4D Ultra Sound Imaging System	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	Alexandria University	Pyramid Tech
27	Design and Implementation of DVB-T Solution	Cairo University	Varkon Semiconductors
28	Arabic Search Engine	Ain Shams University	COLTEC Corporation
29	Online Handwriting Arabic Character Recognition	Cairo University	Gama Technology
30	Infrastructure Bridges Information Modeling	Nile University	BIM Engineering Solutions
31	Designing a Computer Aided Detection System for Breast Cancer Detection	Helwan University	MESC for Research & Development
32	An Innovative Hotel Revenue Management System	Cairo University	Comsys Software
33	A Product for Arabic Optical Character Recognition	Cairo University	The Engineering Company for Digital Systems Development
34	Adaptive Power Management for Portable Wireless Applications	Cairo University	No Industrial Partner
35	TraffiSense: An Integrated Visual Sensing System for Advanced Traffic Management	Nile University	INOTEK System
36	Sentiment Analysis and Opinion Mining of the Arabic Web	American University in Cairo	Link Development
37	Prototyping Metamaterial Antennas	Ain Shams University	El-Nady Company
38	Kids Stories Teller E-Reader (Al Rawy)	Ain Shams University	Blue Com
39	Information Theoretic Cyber Security for Emerging Wireless Networks	Nile University	SmartApps
40	Crystal-Less LC-Based Reference Clock	Ain Shams University	Si-Ware Systems
41	MEMS Based Timing Chips for IT/Mobile Applications	Ain Shams University	MEMS Vision LLC
43	Software Quality Control Automation Tool Suite	Alexandria University	Unisoft
44	Commercialization of Decimal H/W Acceleration Technology for Greener Financial Computation	Cairo University	SiMinds ,LLC
45	Soft Lock Smart Card Operating System	Ain Shams University	SoftLock
46	An Indoor-Outdoor Augmented Reality World Browser	German University in Cairo	A - Tech Group
47	Tool for Extensive Management and Performance Optimization (TEMPO) for 3G	Cairo University	Vodafone Egypt
49	MEMS Optical Coherence Tomography Module	Ain Shams University	Si-Ware Systems
50	Proactive Content Delivery for Mobile Networks	Nile University	SmartApps

51	Web Of Objects	Cairo University	NMATEc
52	Cloud-based Virtual Lab System	Mansoura University	Cloud Niners
53	A Real-time Facial Recognition Framework on Mobile Phones Using Embedded GPUs	Egypt-Japan University of Science and Technology	VIMOV
54	Development Of A Cost Effective Crop Monitoring With Accurate Control For Intelligent Irrigation Systems	Egypt-Japan University of Science and Technology	Business Link
55	Integrated Wireless Indoor Planning and Optimization Tool for 3G/LTE Networks	German University in Cairo	Vodafone Egypt
56	Nerve Locator Design Enhancement, Manufacturing and CE Marking	Cairo University	AI - Manar
57	Easi Clouds	Cairo University	IT - Worx
58	Targeting Mutated P53 for New Drug Design	Egypt-Japan University of Science and Technology	No Industrial Partner
59	Cloud-Based Platform for Advanced Processing of Cardiac Imaging	Cairo University	Diagnosoft Egypt
60	Originality Analyzer for Arabic Text	Ain Shams University	No Industrial Partner
61	Arabic Sign Language Translator (ASLT)	Ain Shams University	Business Commercial House
62	ARTS: An Accurate and Reliable Traffic Estimation System	Egypt-Japan University of Science and Technology	Wireless Stars
63	A Fully Integrated Silicon IP for Wireless Zigbee Applications	American University in Cairo	Silicon Vision
64	Energy Harvesting for Self-Powered Wireless Tire Pressure Monitoring System	American University in Cairo	Smartech Group
65	Social Media Analytics	Cairo University	No Industrial Partner
66	DecoAR : An Indoor-Based Augmented Reality Solution for Interior Design and Real Estate Marketing	Alexandria University	ITQAN for Smart Solutions
67	eNAV: Integrated Real time Navigation and Management System for Heavy Vehicles	German University in Cairo	Softec International
68	Design and Implementation of LTE Solution	Cairo University	Wasiela
69	Large Vocabulary Arabic Handwriting Recognition System	Cairo University	TAYA IT
70	Photonics Integrated Circuits Verification Tool	American University in Cairo	No Industrial Partner
71	Design of Energy Efficient Embedded SRAM Memory and Standard Cells for Ultra-low Voltage Applications	Ain Shams University	No Industrial Partner
72	HDMI 2.0 Verification IP	Ain Shams University	Boost valley
73	Vehicles detection and tracking in videos in very crowded scenes employing quadrotors	Egypt-Japan University of Science and Technology	No Industrial Partner
74	Multi-Source Energy Harvesting for Wireless Sensor Networks	Cairo University	No Industrial Partner

75	Automatic Early Detection of Mastitis Disease in Dairy Cows	Cairo University	Farminal
77	A Microfluidic Platform for Liver Cancer Cells Detection, Identification and Sorting	Zewail City of Science and Technology	No Industrial Partner
78	Solar Panel Characterizer	Zewail City of Science and Technology	No Industrial Partner
79	Low-Power 12 -Gbps Multi-Standard SERDES PHY	Ain Shams University	No Industrial Partner
80	Cloud-based 3D Teleradiology for Rural Areas	Alexandria University	No Industrial Partner
81	Nano-enriched, Autonomous, and Trustworthy Sensing Framework for Water-pollution	Alexandria University	Pulse for Integrated Solutions
82	Fully Integrated Weather Station Chips for Smart Phones & Tablets	Ain Shams University	MEMS Vision LLC
83	A mm-Wave Transceiver for Medical Imaging Applications	Cairo University	No Industrial Partner
84	Speeding up Fast Fourier Transform	Cairo University	No Industrial Partner
85	SEOUL (Sustainable & Environment Friendly Optimizer for Urban Landscape	American University in Cairo	Smart Wave Technologies
86	Mobile Based Jaundice Meter	Cairo University	BioBusiness
87	Blink! A Smartphone based Automatic Accident Detection and Notification System	Egypt-Japan University of Science and Technology	BenalT
88	Indoor Positioning System based on Mobile Crowd Sensing	Cairo University	No Industrial Partner
89	Ultrasound Elastography Add-on Module for Characterizing Liver Tissue	Cairo University	No Industrial Partner
90	Navirize: A Calibration-free Accurate Indoor Positioning System for Realistic Environments	Egypt-Japan University of Science and Technology	Navirize
91	Inertial Stabilization Platform Product Development	Cairo University	Si-Ware Systems
92	Software Factory Approach for knowledge-based EHR Systems	Alexandria University	Accorpa
93	Citrus Fruits Grading System Based on Machine Vision	Egypt-Japan University of Science and Technology	No Industrial Partner
94	Enhanced Source of Entangled Photons for applications in Quantum Encryption	Zewail City of Science and Technology	No Industrial Partner
95	Arabic Sign Language Translator	Ain Shams University	Business Commercial House
96	Active Implantable Neural Interface Platform	Cairo University	Novela Egypt
98	CANTrack	Cairo University	Bright Skies
99	Optimized Implementation of Tuning Mechanisms in Reconfigurable RF Resonators for Advanced Wireless Systems	The British University in Egypt	No Industrial Partner
101	Automatic Arabic Sign Language Recognition from RGBD Data	Egypt-Japan University of Science and Technology	No Industrial Partner

103	IVISIA : Intelligent Video IP Surveillance Integrated Analytics	Cairo University	AvidBeam
104	Complete System for Energy Management Including Renewable Energy Based on Smart Meter Innovative Design and Machine Learning	Cairo University	TieTec
105	Low-Cost Attitude Determination In Nanosatellites	American University in Cairo	No Industrial Partner
106	Locally-developed Wireless Sensor Network Modules for Smart Internet of Things Applications	American University in Cairo	No Industrial Partner
107	Hydrocarbon Production Optimization Computer-Assisted Decision	French University	APEX
108	SIWMS: Smart Irrigation Water Management System	Egypt-Japan University of Science and Technology	SpimeSenseLabs
109	KetApp: Books Supercharged	Helwan University	Dashsoft
110	Social Media Analytics for Arabic Dialects	Cairo University	AlKhawarizmy Software
111	Developing Content Based Retrieval system for Dermatology Image Databases	Nile University	No Industrial Partner
112	Analyzing Trends of Discussion Topics in Community Question Answering Services	Cairo University	No Industrial Partner
113	Smart Droplet: An Enabler for Fog Networks	Cairo University	No Industrial Partner
114	An Innovative Optimization Framework for a High Frequency Trading Tool for Stock Markets	Cairo University	No Industrial Partner
115	Self-Powered FPGA for rapid prototyping for Wireless Sensor Nodes (WSNs)	Zewail City of Science and Technology	No Industrial Partner
116	BLE MANET CAD Platform For IoT	Helwan University	Qoudra
117	POTOO: A Low-Power 12-Gbps Multi-Standard SERDES PHY	Ain Shams University	Mipex
118	Automatic Malfunction Analysis (AMAN)	Banha University	PiTechnologies
119	Automatic Crowd Scene Analysis and Anomaly Detection From Video Surveillance Cameras	Egypt-Japan University of Science and Technology	No Industrial Partner
120	Detecting Emotional Tone and Sentiment Targets in Arabic Tweets	Nile University	No Industrial Partner
121	PCB Inspection Using Intelligent Analysis of Thermograms	Cairo University	No Industrial Partner
122	A High Performance Bioinformatics Software Package for Pathogen Detection and Virulence Elements Comprehension (PDVEC)	Nile University	No Industrial Partner
123	A Cost Effective Microwave System for Soil Sanitation	Egypt-Japan University of Science and Technology	No Industrial Partner
124	Droplet Formation on Microfluidic Chip for Miniaturized PCR Applications	Egypt-Japan University of Science and Technology	No Industrial Partner
125	Sentiment Analysis Tool for Arabic	American University in Cairo	The Engineering Company for Digital Systems Development
126	Call Center Voice Classification using Big Data Techniques	Cairo University	Linux Plus

127	TESTICIDE, Tester's Pesticide	Helwan University	TESTICIDE
128	Humanized Digital Marketplace	American University in Cairo	No Industrial Partner
130	Face In/Out: Time and Attendance Tracking System using Facial Biometrics, Emotional Expressions and Mobile Devices	Assiut University	UESystems Co.
131	Ultrasound Elastography Add-on Module for Detecting Breast Tumors	Cairo University	DilenyTech Smart Solutions
132	An Electrokinetic Based Microfluidic Platform for DNA Detection, Identification and Sorting	Zewail City of Science and Technology	No Industrial Partner
133	A Ray Tracing Simulator for Radio Wave Propagation Based on Geometric Algebra	Port-Said University	No Industrial Partner
134	Photonic superlattice for generating and engineering hyperentangled_photons Core of quantum computation and encryption systems	Zewail City of Science and Technology	No Industrial Partner
135	Tunable ultra-low phase noise MEMS	German University in Cairo	No Industrial Partner
136	BlinkApp! A Smartphone based Automatic Accident Detection, Risk Assessment, & Notification System	Egypt-Japan University of Science and Technology	BlinkApp
137	AutoAIDO:Automation of Analog IC Design and Optimization	Ain Shams University	No Industrial Partner
138	Nun Arabic Text To Speech	Ain Shams University	Global Technical Services
139	eMicroscopy eHealth System for Automated Microscopy-based Lab Diagnosis	Assiut University	No Industrial Partner
140	xPython, A Trusted Python Environment for the Internet of Things and Embedded Systems	Ain Shams University	GX Computing
141	Ku-Band Printed Antenna for Movable Earth Segment Applications	Electronics Research Institute	No Industrial Partner
142	M2auth Multimodal Behavioral Biometric Authentication Framework on Smartphones	Minia University	No Industrial Partner
143	ESITIP - Personal Electric Autonomous Vehicle (PEAV)	Ain Shams University	MATGR for Trading & Engineering
144	Development of Microfluidic System for Miniaturized PCR Applications	Egypt-Japan University of Science and Technology	Alex Biotechnology
145	eCervello-A Novel Multi-tier Big Data Analytics Framework for IoT-based Predictive Maintenance	American University in Cairo	IOTBLUE MEA
146	Cloud-based Cardiac CT Analytics	Cairo University	Advanced Intelligent Technologies
147	Infinity LED Driver A Long-Lifetime Integrated AC-DC LED Driver	Aswan University	Vidatronic Egypt
148	Lumiere(c) Integrating EEG and Facial Expressions for the Automatic Detection of Cognitive Skills	Zewail City of Science and Technology	SMACRS
149	iGRASP (innovative Glove for Rehabilitation and Assistance using Smart-features and Performance-feedback)	Ain Shams University	No Industrial Partner
150	Power Management System for Biomedical Implanted Devices	Cairo University	No Industrial Partner
151	A Micro Electrical Impedance Spectroscopy for (μ EIS)Breast Cancer Cells Electrical Parameters Detection and Identification	Zewail City of Science and Technology	No Industrial Partner

152	Smart Integrated On-Board Battery Charger for Electric Vehicle Applications	Alexandria University	No Industrial Partner
153	Low cost complexity equalization system for enhancing the capacity and reach of multimode optical fibers	Zewail City of Science and Technology	No Industrial Partner
154	Meta-cognitive Module for Optimized LTE-UWiFi Coexistence	Nile University	No Industrial Partner
155	Deep learning-based resolution enhancement of miniaturized FTIR spectrometers	Port-Said University	No Industrial Partner
156	Integrated optical mode division multiplexers on silicon photonics technology	Helwan University	No Industrial Partner
157	An Efficient Power Delivery Structure for Data Centers	Arab Academy For Science, Technology & Maritime Transport	No Industrial Partner
158	Design and Implementation of hardware Internet of Things (IoT) Adaptive Security Supporting System	Zewail City of Science and Technology	No Industrial Partner
159	Edu-Edge Adaptive e-Learning Platform	Al - Azhar University	4S Technology
160	ESITIP - PVOLTAI4_ Research And Development of O&M Technologies For PV Plants Management	American University in Cairo	Empower Energy System
161	CLIP - Using Machine Learning to Reinforce Customer Loyalty Intelligent Personalization	Ain Shams University	MiniMax Software Solution
162	A Robust Wearable Activity Recognition System based on IMU Signals	Egypt-Japan University of Science and Technology	No Industrial Partner
163	Environment-Friendly Electromagnetic-Based Solutions for the Cotton Leaf Worm in Egypt	Cairo University	No Industrial Partner
164	Smart Image-Based Localization for Augmented Reality application	Electronics Research Institute	No Industrial Partner
165	Classification and prediction of lung cancer using both Genomic and CT scan Image Analyses	Egypt-Japan University of Science and Technology	No Industrial Partner
166	CIPOLIVE	Cairo University	Smartech Group
167	Intelligent Thermal Imaging Processor for IoT application	Cairo University	No Industrial Partner
168	Wirelessly-Controlled Fully Implantable Smart Micropumping System for Local Anti-Cancer Drug Delivery in Pediatric Patients	American University in Cairo	No Industrial Partner
169	Orange Real-Time grading Machine	Electronics Research Institute	Fruitful Solutions
170	Contactless Instantaneous Blood Pressure Monitoring For The Intensive Care Unit (CIBPM)	Aswan University	Advanced Computer Systems (ACS)
172	Kids Guard SAFETy framework (KG-Safe)- An AI-based system for kids safety	Cairo University	No Industrial Partner
173	Low-Power Acquisition System for Continuous Wireless Blood Pressure Monitoring	Ain Shams University	No Industrial Partner
174	Embedded Video Surveillance based on IoT & ML for Smart City	German University in Cairo	No Industrial Partner
175	Smart Water Meter	Electronics Research Institute	The Engineering Office for Integrated Projects
176	Meta learning core for Vehicular Networks	Egypt-Japan University of Science and Technology	No Industrial Partner

177	Smart Production Planning & Scheduling (SPPS)	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	Menofia University	No Industrial Partner