

Sr. No	Name of the Project	Name of the HEI	Discipline	Original Demad	Proposed Grant	Proposed Grant	First Installment	Account Information
1	Water Rescue Robot	NUCES, Islamabad	Electrical	46000	46000	46000	18400	Bank: Faysal Bank Ltd Branch: 3, G Monawwar Plaza, I-10 Markaz, Islamabad Title: BCCI FAST NUCES (OPER) Account Number: 0169007900150125 IBAN: PK38FAYS0169007900150125
	FPGA-Based FM Broadcast Monitoring, Recording & Playback System (SDR)	NUCES, Islamabad	Electrical	100000	100000	100000	40000	
	Smart Hub for Air Conditioning Network	NUCES, Islamabad	Electrical	20000	20000	20000	8000	
	Multi Sourced Electric Cart	NUCES, Islamabad	Electrical	110000	110000	110000	44000	
					276000	276000	110400	
2	Automated Escalator system on already built staircase	NUCES, lahore	Electrical	90000	90000	90000	36000	Bank: Faysal Bank Ltd Branch: 3, G Monawwar Plaza, I-10 Markaz, Islamabad Title: BCCI FAST NUCES (OPER) Account Number: 0169007900150125 IBAN: PK38FAYS0169007900150125
	AI Powered Self-Checkout System	NUCES, lahore	Electrical	70000	70000	70000	28000	
				160000	160000	160000	64000	
3	Feasibility study and process optimization of citric acid production plant in KPK, using sugar cane molasses	UET, Peshawar	Chemical	7000000	200000	200000	80000	Title: Research Fund U IBAN PK69 HABB 0004040018314801 Bank Adress Habib Bank limited, Campus Branch
4	Intelligent Lithium-Ion Battery	LUMS, Lahore	Electrical	75000	75000	75000	30000	Account No.0334-000-520216-016 Account title: Lahore University of Management Science Currency: PKR IBAN Code PK32FAYS0334000520216016 Bank Faysal Bank Limited Lahore UAN: +9242 111 321 321 Tel: +9242 36655590 Fax: +92 42 3665591 Branch 4/5 Cavalry ground commerical Area Lahore, Pakistan, Branch Code 334 swift Code FAYSPKKA
	Optimization of Power Electronic Circuit Topologies using Machine learning	LUMS, Lahore	Electrical	75000	75000	75000	30000	
				150000	150000	150000	60000	
	Development and Characterization of Ceramic waste powder-bentonite blended GGBS based cement-less geopolymer concrete desinged using Tasguchi method	UET, Taxila	Civil	200000	200000	200000	80000	Account Title UET Research Fund Account No. 19150003319901 IBAN PK06 HABB 0019150003319901 Bank Name Habib Bank Limited
	Design of Intensive Firing roasting and melting furnance by non ferrous metal	UET, Taxila	Mechanical Geo informatics	250000	200000	200000	80000	
	CP robot by AI	UET, Taxila		40000	40000	40000	16000	

5	Engine Emission Analyzer	UET, Taxila	Mechanical	75000	75000	75000	30000	Branch UET Taxila Branch Branch Code 1915
				565000	515000	515000	206000	
6	Remotely Controlled Agriculture Pesticide Spraying Robot	IBA, Sukkur	Electrical	20000	20000	20000	8000	Bank Title Allied Bank Limited Branch Code 1203 Account title sukkur IBA University Account/ IBAN No. PK32ABPA0010049072160225
	Design of ultra-Flexible Skin Like AI Augmented Sensor Fusion for Human Wearable Monitoring of OSTEOARTHRITIS	IBA, Sukkur	Electrical	69669	69669	69669	27867.6	
	Design and Fabrication of Soft Robotic Hand with Embodied Sensing for Motion Impaired Humans	IBA, Sukkur	Electrical	85600	85600	85600	34240	
	Fabrication of soft and comfortable pressure sensing shoe sole for intuitive Monitoring of Human Quality Gait	IBA, Sukkur	Electrical	100000	100000	100000	40000	
	Date Fruit Classification using Machine Learning	IBA, Sukkur	Electrical	80000	80000	80000	32000	
	Design and Development of Soft Robotics Kit for Educational Training	IBA, Sukkur	Electrical	150000	150000	150000	60000	
	Portable Solar Water Generator for Remote Application	IBA, Sukkur	Electrical	76000	76000	76000	30400	
	An Artificial Intelligence Based Sar-Sabz Pakistan	IBA, Sukkur	Electrical	190000	190000	190000	76000	
	Design and Prototype of SVC (FC-TCR) for Power Factor Improvement	IBA, Sukkur	Electrical	40000	40000	40000	16000	
				811269	811269	811269	324507.6	
7	Design of Efficient controller and Fast charger for Electric Motor Bike	IUB, Bahawalpur	Electrical	160000	160000	160000	64000	Bank: Habib Bank Limited (HBL) old Camous Branch Account title: University College of Engineering & Technology Account No: 14730010552203
	Multi level Three Phase Voltage Source inverter for on Grid PV system	IUB, Bahawalpur	Electrical	120000	120000	120000	48000	
	The synchronization of BLDC Machine for electric vehicle	IUB, Bahawalpur	Electrical	200000	200000	200000	80000	
	IoT Based motor health monitoring system	IUB, Bahawalpur	Electrical	70000	70000	70000	28000	
				550000	550000	550000	220000	
8	Design, development and experimental analysis of a waste heat recovery system for the surface of a rotary cement kiln	MUST, AJ&K	Mechanical	100000	100000	100000	40000	Account Title: Miscellaneous Grants & Fund (Maintained at HB Main Branch Mirpur A.K Account Number 0190-79006138-01 Account Number or IBAN number PK 70 HABB 0019 7900 0008 59001 Name on the bank account G.I.K Institute Topi Beneficiary Address G.I.K Institute of Engineering Sciences and Technology Topi Branch Name Habib Bank limited GIKI Topi Branch Code 1979 Bank address Habib Bank Ltd. G.I.K Institute Branch (1979) Topi District Swabi KPK
	Towards Reducing Handoff Times in Next Generation Wireless Networks	MUST, AJ&K	Electrical	300000	200000	200000	80000	
	Traffic-Aware Service Differentiation in Software Defined Networks for Healthcare	MUST, AJ&K	Electrical	350000	200000	200000	80000	
	Application of FEM and AI for response-based assessment of RC beam-column connections	GIKI, Topi-Swabi	Civil	60000	60000	60000	24000	
	Flexural Strength Evaluation of Bamboo Reinforced concrete using the finite Element Method (FEM) and Gene Expression Programming (GEP)	GIKI, Topi-Swabi	Civil	40000	40000	40000	16000	

9				100000	100000	100000	40000	
	Condition monitoring and diagnostics of critical engineering assets based on machine learning	NUTECH, Islamabad	Geo informatics	250000	200000	200000	80000	Bank: Habib Bank Limited Branch Murree Road Branch Saddar, Rawalpindi Title NUTEC Project Funding Account No 5037-7000329552
	Virtual Reality Based Excavator Training Simulator	NUTECH, Islamabad	Geo informatics	250000	200000	200000	80000	
	SAKOON: Automating the Electric Workload of a Building	NUTECH, Islamabad	Geo informatics	200000	200000	200000	80000	
	FPGA based real-time video processing system	NUTECH, Islamabad	Electrical	100000	100000	100000	40000	
	Improvement in the strength of unburnt bricks using fly ash and bagasse ash as cementitious material	NUTECH, Islamabad	Civil	140000	140000	140000	56000	
	Evaluation of Empirical SPTN-Vs correlations using 1D site response analysis for shallow bedrock sites in Islamabad, Pakistan	NUTECH, Islamabad	Civil	100000	100000	100000	40000	
	Prosthetic Hand for Disabled Persons	NUTECH, Islamabad	Electrical	70000	70000	70000	28000	
	Control of a 6 DoF Robotic Manipulator	NUTECH, Islamabad	Mechanical	200000	200000	200000	80000	
	Design and model fabrication of brown sugar making machine using a sugar cane juice	NUTECH, Islamabad	Mechanical	200000	200000	200000	80000	
10				1510000	1410000	1410000	564000	
	Enhanced Capacity of Pile Foundation by Skin Resistance	Abasyn University, Peshawar	Civil	200000	200000	200000	80000	Bank Name: Allied Bank Limited Branch Ring Road, Peshawar Beneficiary Abasyn University Peshawar Charsadda link, Ring Road Peshawar KP, Pakistan Account No 00100168926040020 Branch Code 0180
	Investigating a road network with and without lane changing of rickshaws drivers: A case of Charsadda road, Peshawar	Abasyn University, Peshawar	Civil	200000	200000	200000	80000	
	Sustainable utilization of demolished cement concrete in reinforced concrete member	Abasyn University, Peshawar	Civil	50000	50000	50000	20000	
	performance Evaluation of Interlock Bricks Masonary Systems	Abasyn University, Peshawar	Civil	100000	100000	100000	40000	
11				550000	550000	550000	220000	
	Experimental Investigation on the structure response of Bubble Deck slab after localized fire exposure	Sir syed University of Engineering & Technology, Karachi	Civil	250000	200000	200000	80000	Account Title: SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY Account Number: 0986 1201 8100 7236 Bank name MCB Bank Ltd Branch SSUET Branch, University Road Gulshan-e-Iqbal
	Cost-Efficient and Smart Automated Structural Health Monitoring System using Micro-Controller UAV-Driven Drone	Sir syed University of Engineering & Technology, Karachi	Civil	222000	200000	200000	80000	
	Reverse Vending Machine	Sir syed University of Engineering & Technology, Karachi	Electrical	117000	117000	117000	46800	
	Smart Brain Computer Interface for Controlling and Monitoring of Medical Bed	Sir syed University of Engineering & Technology, Karachi	Electrical	250000	200000	200000	80000	
	Rover Robot	Sir syed University of Engineering & Technology, Karachi	Electrical	180000	180000	180000	72000	
12				1019000	897000	897000	358800	
	Custom-built low pediatric gait trainer	City University, Peshawar	Electrical	86700	86700	86700	34680	
	INTERACTIVE VOICE RECOGNITION BASED MULTIFUNCTIONING SMART MIRROR USING IOT	City University, Peshawar	Electrical	85500	85500	85500	34200	

	DESIGNING AND DEVELOPMENT OF CLOUD BASED IoT INFRASTRUCTURE FOR REMOTE PATIENT HEALTH MONITORING	City University, Peshawar	Electrical	30,116	30116	30116	12046.4	Account title City University IBAN PK40 UNIL 0112 1570 0100 8231 Account No 157001008231 Bank name UBNL Branch Code 0929 (G.T Road Hashtnagri Peshawar
13	Design and Fabrication of Low-Cost 3D Printer	City University, Peshawar	Electrical	88560	88560	88560	35424	
				290876	290876	290876	116350.4	
	Absorption refrigeration chamber using solar energy	MNS-UET, Multan	Chemical	150000	150000	150000	60000	
	Low Cost efficient portable ventilator	MNS-UET, Multan	Electrical	70000	70000	70000	28000	
	Production of motor oil from coal	MNS-UET, Multan	Chemical	500000	200000	200000	80000	
	Monitoring of Irrigation system using SCADA Application	MNS-UET, Multan	Electrical	43000	43000	43000	17200	
14	Production of 100 MTPD of linear alkyl sulfonic acid from linear alkyl benzen	MNS-UET, Multan	Chemical	870000	200000	200000	80000	Account Title VS MNS UET Multan Account Number 14903168543249 Bank National Bank of Pakisytan Mumtazabad Branch Multan (1490)
				1633000	663000	663000	265200	
	PLC/MCU Based Full flight Simulator cockpit of cessna-172 Aircraft	PAF-KIET, karachi	Electrical	130000	130000	130000	52000	Account title: KARACHI INSTITTUE OF ECONOMICS AND TECHNOLOGY (MAIN) Account Number PK72ALFH5528005001639076 Branch Name (5528) IBD-DHA Branch Karachi Bank Name Bank Alfalah Islamic
	Design, Simulation and Characterization of a Compact Wireless Power Transfer Infrastructure for Portable Electronic Peripherals	PAF-KIET, karachi	Electrical	100000	100000	100000	40000	
15	Design & Development of solar based MPPT Inverter	PAF-KIET, karachi	Electrical	100000	100000	100000	40000	
				330000	330000	330000	132000	
16	Design of energy efficient house with semi passive cooling / heating system by using wind towers and underground water cisterns	ISP, Multan	Electrical	150000	150000	150000	60000	Account title: Institute of Southern Punjab Funds A/C IBAN PK08 UNIL 0109 002 3773 4259 Branch Adress UBL 24-A Kamran Plaza branh, glugash colony pir Khurshid Multan Branch code 0346
	Energy audit to reduce energy consumption and increase sustainability	Rachna College of Engineering & Technology, Gujranawala	Electrical	60000	60000	60000	24000	
	Non-Intrusive Load Monitoring System	Rachna College of Engineering & Technology, Gujranawala	Electrical	250000	200000	200000	80000	
	Solar Powered auto irrigation monitoring system with plant health indication using image processing	Rachna College of Engineering & Technology, Gujranawala	Electrical	80000	80000	80000	32000	
	Parametric studies on the flow characteristics in porous media for the development of indicator predicting shelf life of perishable food items	Rachna College of Engineering & Technology, Gujranawala	Mechanical	300000	200000	200000	80000	
	Dynamics of sessile droplet over hydrophobic surfaces under external electric field	Rachna College of Engineering & Technology, Gujranawala	Mechanical	300000	200000	200000	80000	
	Design and Implementaion of electric assisted bicycyle by self recharging system	UET, Lahore (Fasialabad Campus)	Electrical	85000	85000	85000	34000	
	Design and Fabrication of Automatic Dishwasher	UET, Lahore (Fasialabad Campus)	Electrical	100000	100000	100000	40000	

Renewable Power Generation via Animate Prime Movers	UET, Lahore (Faisalabad Campus)	Electrical	150000	150000	150000	60000
Development of smart conductive textile for wearable applications	UET, Lahore (KSK Campus)	Geo informatics	82000	82000	82000	32800
Multimode smart wheel chair for quadriplegic patients	UET, Lahore (KSK Campus)	Geo informatics	70000	70000	70000	28000
Fabrication of rice-husk based biocomposites boards to investigate its properties for structural application	UET, lahore (KSK Campus)	Chemical	75000	75000	75000	30000
Implementation of secure anti-theft automotive system with blind spot warning system.	UET, lahore (Main Campus)	Geo informatics	66250	66250	66250	26500
TARGETING TO ZERO ROUTINE FLARING (ZRF): RECOVERY AND CONVERSION OF INDUSTRIAL FLARE GAS INTO CLEAN ENERGY (H2)	UET, lahore (Main Campus)	Chemical	3000000	200000	200000	80000
Enriched biogas and bio fertilizer production from cow through anaerobic digestion	UET, lahore (Main Campus)	Chemical	300000	200000	200000	80000
Manufacturing of Super absorbent Polymer (Sodium Polyacrylate)	UET, lahore (Main Campus)	Chemical	500000	200000	200000	80000
Design, Optimization and fabrication of small scale hydel turbines to harness from low-head sources	UET, lahore (Main Campus)	Mechanical	240000	200000	200000	80000
Physio-Chemical Analysis and Groundwater Prospecting at Main campus of UET, lahore	UET, lahore (Main Campus)	Geo informatics	500000	200000	200000	80000
Solar Powered Hydroxyl Gas Production, utilization and Optimization in Thermal Power System	UET, lahore (Main Campus)	Mechanical	200000	200000	200000	80000
3D Printable, Cost-Effective, Electric Powered Human Prosthetic Hand with Parametric Modelling	UET, lahore (Main Campus)	Mechanical	197200	197200	197200	78880
Laboratory Study of stabilization of soils contaminated with industrial waste using Lignosulphonate	UET, lahore (Main Campus)	Civil	120000	120000	120000	48000
Structural performance of Earth Retaining System: An efficient and Economical solution to local construction Industry	UET, lahore (Main Campus)	Civil	198000	198000	198000	79200
A study of structural health monitoring of bridges	UET, lahore (Main Campus)	Civil	100000	100000	100000	40000
Development of cement-less recycled aggregate concrete A sustainable solution for future construction	UET, lahore (Main Campus)	Civil	25000	25000	25000	10000
Design of sprinkler Irrigation System for an Area and its cost comparison with Canal system	UET, lahore (Main Campus)	Civil	100000	100000	100000	40000
Development of modified catalytic membranes for accelerated elimination of Pharmaceutical products using Advanced oxidation process	UET, lahore (Main Campus)	Civil	50000	50000	50000	20000

Experimental Evaluation of subgrade soil stabilized with rice husk ash for use in road construction	UET, lahore (Main Campus)	Civil	100000	100000	100000	40000
Design of sustainable water distribution systems for urban areas in developing countries	UET, lahore (Main Campus)	Civil	650000	200000	200000	80000
Conditional Assessment of Bridges	UET, lahore (Main Campus)	Civil	100000	100000	100000	40000
Design and Investigation of a four stroke camless Engine using programmatically controlled actuators	UET, lahore (Main Campus)	Mechanical	150000	150000	150000	60000
Analysis of EEG Signal to Classify Sleep Stages using ML	UET, lahore (Narowal Campus)	Geo informatics	80000	80000	80000	32000
Tracking and monitoring of fitness of athletes using IoT Enabled wearable activity recognition and Random forest algorithm for performance prediction	UET, lahore (Narowal Campus)	Geo informatics	60000	60000	60000	24000
Design and Development of a Robotic Ultrasound Probe Holder	UET, lahore (Narowal Campus)	Geo informatics	150000	150000	150000	60000
Development of Intelligent Sleep Monitoring System for Vehicles to Prevent Road Accidents	UET, lahore (Narowal Campus)	Geo informatics	57000	57000	57000	22800
Development of a wearable Tremor Suppression Glove for Rehabilitation of Parkinson Disease	UET, lahore (Narowal Campus)	Geo informatics	75000	75000	75000	30000
EEG Based Mind Controlled Smart Prosthetics Arm	UET, lahore (Narowal Campus)	Geo informatics	85000	85000	85000	34000
"An integrated syringe and infusion pump system for controlled drug delivery of hospitalized patients	UET, lahore (Narowal Campus)	Geo informatics	90000	90000	90000	36000
IOT BASED KNEE REHABILITATION DEVICE	UET, lahore (Narowal Campus)	Geo informatics	100000	100000	100000	40000
Investigation of Durability and Structural Performance of Fiber-Reinforced Spun Cast Concrete Pipes	UET, lahore (Narowal Campus)	Civil	62000	62000	62000	24800
Mechanical properties of Coal bottom ash concrete prepared by partial replacement of cement and sand	UET, lahore (Narowal Campus)	Civil	110000	100000	100000	40000
Potential Evaluation of Inverted wells using Rain water for Ground water Recharge in lahore City	UET, lahore (Narowal Campus)	Civil	20000	20000	20000	8000
Smart Assistant for visually impaired people	UET, lahore (Narowal Campus)	Geo informatics	150000	150000	150000	60000
Response of Soft Clay to Traffic Loading	UET, lahore (Narowal Campus)	Civil	50000	50000	50000	20000
Classification of Soil Texture and Organic Matter	UET, lahore (Narowal Campus)	Geo informatics	130000	130000	130000	52000
An assessment of potential in low cost housing in Pakistan	UET, lahore (Narowal Campus)	Civil	60000	60000	60000	24000
Management of Irrigation Supply and Demand of Tarbela Reservoir	UET, lahore (Narowal Campus)	Civil	20000	20000	20000	8000
A Machine Learning based High Risk Disease Prediction & Personalized Diet Tracking & Monitoring System	UET, lahore (Narowal Campus)	Geo informatics	30000	30000	30000	12000

Title of Account: Main Account
Engineering University
Account Number 01287902801499
IBAN PK55 HABB

17	Remote Patient Monitoring Application using IOT	UET, lahore (Narowal Campus)	Geo informatics	80000	80000	80000	32000	0001287902801499 Operative With HBL, UET Branch Lahore
18	GreenV: Green & Healty Environment through minimizing carbin Contaminants by exhaust gases	IIUI, Islamabad	Mechanical	300000	200000	200000	80000	Account title IIU Projects Account Account No 20000143260491
19	Design Analayis and Model Fabrication of verrical axis wind turbine	KFUEIT, RYK	Chemical	50000	50000	50000	20000	Account Title: KFUEIT Main Account Account No 5050-79016523-55 Bank & Branch Code HBL Rahim yar khan (5050)
	PYROLYSIS of WASTE PLASTICS INTO FUELS	KFUEIT, RYK	Chemical	500000	200000	200000	80000	
	Production of 5000 liters/day of biodiesel using jatropa oil via transestarification process	KFUEIT, RYK	Chemical	100000	100000	100000	40000	
	Production of Ethylene Dichloride by Direct Chlorination Method	KFUEIT, RYK	Chemical	722000	200000	200000	80000	
	Production of green fibreboard from pretreated agro industrial waste.	KFUEIT, RYK	Chemical	7137834	100000	100000	40000	
	Production of Nitro Phosphate by Odda Process	KFUEIT, RYK	Chemical	200000	200000	200000	80000	
	Manufacturing of Urea By Snamprogetti Process for 1900 MTPD	KFUEIT, RYK	Chemical	100000	100000	100000	40000	
	Manufacturing of Formalin (37%) formaldehyde aqueous solution) by Partial Oxidation of Methanol over Silver Catalyst	KFUEIT, RYK	Chemical	70950	70950	70950	28380	
	Smart Home Energy Management System	KFUEIT, RYK	Electrical	40760	40760	40760	16304	
	Design & Development of Mini Dense Plasma Focus for Electronic Industry to Study Single Event Upset Phenomenon	KFUEIT, RYK	Electrical	200000	200000	200000	80000	
Unmanned Ground Robot	KFUEIT, RYK	Electrical	60000	60000	60000	24000		
				9481544	1321710	1521710	528684	
19	Belt Type oil skimmer for Industrial Waste Water	MUET, jamshoro	Mechanical	60000	60000	60000	24000	Account title MUET-HEC & Other Miscallenous reciepts Bank Account No 00727903099701 IBAN: PK66HABB0000727903099701
	Automatic Medication System for Patient Care	MUET, jamshoro	Geo informatics	60000	60000	60000	24000	
	TRAIN COMFORT ANALYSIS USING ACCELERATION MEASUREMENT AND NEURAL NETWORK	MUET, jamshoro	Electrical	72000	72000	72000	28800	
	RC based Autonomous Real Electric Vehcile	MUET, jamshoro	Mechanical	90180	90180	90180	36072	
	Numerical And Experimental Investigation of Concrete Beam Reinforced with Steel and FRP Bars Under Flexural Action	MUET, jamshoro	Civil	45740	45740	45740	18296	
	Green Retrofitting of an existing building envelope using BIM-A Case study	MUET, jamshoro	Civil	100000	100000	100000	40000	
	Smart Audio Testing and hearing aid	MUET, jamshoro	Electrical	40000	40000	40000	16000	
	Design and Development of stairlift	MUET, jamshoro	Electrical	100000	100000	100000	40000	
	Cum Rubber and Waste Engine oil modified bitumen	MUET, jamshoro	Civil	45740	45740	45740	18296	
	Automated Image Dataset Collection System For Cotton Crop Leaves	MUET, jamshoro	Electrical	77000	77000	77000	30800	

20	Soil Moisture Estimation using remote sensing imagery by UAV	MUET, jamshoro	Electrical	75000	75000	75000	30000	Bank Name HBL Mehran University Branch, jamshoro
21	Development of Weft Knitted Structures with Self-Diagnostic Function for protective Application	National Textile University, Faisalabad	Chemical	400000	200000	200000	80000	Account title: National Textile University (NTU) Account No: 0010005349040117 Branch Code 0620 Bank ABL Manwala Branch Faisalabad
22	Predictive Maintenance in Industry 4.0	PIEAS, Islamabad	Electrical	100000	100000	100000	40000	Account No. 2461480000018 Bank Name Askari Commercial Bank
	Design and Fabrication of sugarcane cutting	PIEAS, Islamabad	Mechanical	200000	200000	200000	80000	
23	Designing a control mechanism for an anthropomorphic hand	CUI (Abbotabad)	Electrical	200000	200000	200000	80000	Account Title CIIT Collection A/C Account NO 0010000062571777 IBAN PK49ABPA 0010000062571777 Bank Name Allied Bank Loimited Bara Towers Jinnahbas Abbotabad Brnalc Code 0004
	IoT Equipped and AI enabled WSN nodes for Precision Agriculture	CUI (Abbotabad)	Electrical	550000	200000	200000	80000	
	Automatic Electronic Voting System	CUI (Abbotabad)	Electrical	56830	56830	56830	22732	
	Counter Rotating Wind Energy Generator for DC Micro Grid	CUI (Abbotabad)	Electrical	79490	79490	79490	31796	
	Smart Glove Hand Gesture Vocalizer for Deaf and Dumb	CUI (Abbotabad)	Electrical	200000	200000	200000	80000	
	Development of Aluminium winding Three Phase Induction Motor for Lightweight EV Applications	CUI (Abbotabad)	Electrical	79500	79500	79500	31800	
	A Hand Gesture Based Robotic Controlled Vehicle	CUI (Abbotabad)	Electrical	67100	67100	67100	26840	
23	Design and analysis of Slotless permanent magnet brushless DC (PMBLDC) motor	CUI (Abbotabad)	Electrical	77930	77930	77930	31172	
24	Seismic Behaviour of Skewed Bridges in Pakistan using Non Line Time History Analysis	MY University, Islamabad	Civil	200000	200000	200000	80000	Account Title MY university collection Account No 3024307900197834 Bank Name Faysal Bank Islamabad IBAN PK83FAYS3024307900197834
	Smart Shopping Cart	MY University, Islamabad	Electrical	150000	150000	150000	60000	
	Production of Methanol through Catalytic Hydrogenation of Co2 Captured from Air	University of Wah, Wah	Chemical	300000	200000	200000	80000	
	Production of 850 X 10 power three TPA of Bio-Ethylene from Zea-Mays (Corn Stover)	University of Wah, Wah	Chemical	400000	200000	200000	80000	
	Production of Hydrogen from Steam biomass Gasification (for Fuel Cells)	University of Wah, Wah	Chemical	50000	50000	50000	20000	
	Production of propylene Glycol from glycerol	University of Wah, Wah	Chemical	20000	20000	20000	8000	
	Production of 13,500 ton/ day biodiesel from chicken fat	University of Wah, Wah	Chemical	400000	200000	200000	80000	
	Production of bio-Diesel by using algae	University of Wah, Wah	Chemical	126000	126000	126000	50400	
	Production of Synthetic Natural Gas (SNG) through gasification of biomass (food Waste)	University of Wah, Wah	Chemical	100000	100000	100000	40000	
	Design, Fabrication and Control of a solar Thermal Room Heating System	University of Wah, Wah	Mechanical	74000	74000	74000	29600	
	Design and Development of a Smart Tough Terrain Beetle Robot	University of Wah, Wah	Mechanical	50000	50000	50000	20000	

25	Desing and Development and control of a smart, Reconfigurable, Stair Climbing wheelchair	University of Wah, Wah	Electrical	140000000	200000	200000	80000	Account title Wah Engineering College Account No 0056-1003619127 Bank Name Bank Alfalaha basti branhc wah cantt
	Water Sensittive urban design for wah cant city	University of Wah, Wah	Civil	45000	45000	45000	18000	
	A study on the self healing and self sensing capabilities of graphene oxide (GO) nanoinforced bacterial cemet and concrete	University of Wah, Wah	Civil	80000	80000	80000	32000	
	Production of 12 MCMD of Biomethane using sugarcane Bahasse	University of Wah, Wah	Chemical	400000	200000	200000	80000	
26	Design and fabrication of smart mosquito killer machine	UCP, Lahore	Mechanical	25000	25000	25000	10000	Account title University of Central Punjab (Faculty of Engineering) Account No 0102044055123 Branch code 0303 Albaraqa Bank limited johar town lahore IBAN
	Design and manufacturing of an industrial blender for tea leaves / other condiments.	UCP, Lahore	Mechanical	25000	25000	25000	10000	
27	DESIGN AND DEVELOPMENT OF PROTOTYPE OF IOT SENSORS BASED SMART FARM IRRIGATION SYSTEM	Arid Agricultural University, Rawalpindi	Agricultural	298000	200000	200000	80000	Account title Vice Chanceloor PMAS- Arid Agriculutre University, Rawalpindi
	Tillage and Seeding Depth Monitoring System for Seeders	Arid Agricultural University, Rawalpindi	Agricultural	250000	200000	200000	80000	
	Development and construction of a offgrid PV For small scale house electricity production.	Arid Agricultural University, Rawalpindi	Agricultural	300000	200000	200000	80000	
	Design and Development of Smart Field Lysimeter	Arid Agricultural University, Rawalpindi	Agricultural	495000	200000	200000	80000	
	Sensor based automatic Spot Specific sprayer for orchards	Arid Agricultural University, Rawalpindi	Agricultural	300000	200000	200000	80000	
	Irrigation pond water quality monitoring by using wireless sensor network	Arid Agricultural University, Rawalpindi	Agricultural	95000	95000	95000	38000	
	Smart GPS Based Variable Rate Fertilizer Spreader	Arid Agricultural University, Rawalpindi	Agricultural	295000	200000	200000	80000	
	Development and Performance Evalaution of Mini Ground Nuts PoD Picker	Arid Agricultural University, Rawalpindi	Agricultural	300000	200000	200000	80000	
28	Reconfigurable Metasurface for polarization convenetion and RCS reduction	UET, Mardan	Electrical	200000	200000	200000	80000	Account title VC Uet Mardan Account No 0179003001301933 Bank of Khyber Sugar Mills Branch By pass road Mardan
29	Supply Chanin Management Practices and Retail performance, Consumer related Economic Benefits of Retail buisness	NED-UET, karachi	Mechanical	35000	35000	35000	14000	Account title: NED University of Engineering & Technology Account NO 20614-714-105061 Bank Name Habibn metro Bank Limited Branch university road karachi IBAN No PK80MPBL0150217140105061
	Development of Rescue Robot with Smart Searching Methodology Desing	NED-UET, karachi	Electrical	55000	55000	55000	22000	
30	Portable Diabetes Type 1 Solution (Open APS)	GCU, FSD	Electrical	90000	90000	90000	36000	Account title: Abdui Raut Bhatti Bank name The Bank of Punjab GCU Faisalabad IBAN PK43BPUN6300123008700018 Account No6300123008700018 Branch Code 0308
	Determination of Water Saving and Crop Water Productivity using Bottle Wick Irrigation System for Bitter and Sponge Gourd Crops	Sindh Agriculture University, Tandojam	Agricultural	100000	100000	100000	40000	

31	Evaluation of low cost drip irrigation system at different hydraulic heads for maize production	Sindh Agriculture University, Tandojam	Agricultural	30000	30000	30000	12000	Account Title: SAU Various Receipts/ Re-imbursement Account No 00847901059303 Habib Bank Limited SAU Tandojam Branch
	Agricultural modernization and its influence on agriculture sustainability, The Hydroponics System (NFT)	Sindh Agriculture University, Tandojam	Agricultural	200000	200000	200000	80000	
32	Design and Analysis of PIPE Inspection and Climbing Robot	NFC-IET, Multan	Mechanical	150000	150000	150000	60000	Bank name: United Bank Limited Moza jahangirabad road Multan Account title NFC Institute of Engineering & Technology, Multan Account No 203518874 Branch
	Experimental Analysis of Airfoils of wind turbine for drag and pressure distribution	NFC-IET, Multan	Mechanical	70000	70000	70000	28000	
33	Detection of defects in aircraft hybrid joints through a scanning scheme development	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	200000	200000	200000	80000	Account title CAE Hostel Misc Accounts Account No 0910-00057205-01 IBAN 000910-00057205-01
	Desing and Fabrication of Flapping Wing Appratus	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	170000	170000	170000	68000	
	Design and development of a small Sized heavy lift drone	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	300000	200000	200000	80000	
	Ballistic Analysis if Impact of APFSDs round and Heat round on RHA plate	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	500000	200000	200000	80000	
	Evaluation of Mechanical Properties of Aviation Grade Compostie under Extreme Environments	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	100000	100000	100000	40000	
	Fabrication of Bladeless UAV for experimental testing	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	500000	200000	200000	80000	
	Design and devlopement of air-to-air recharging for RC drone	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	600000	200000	200000	80000	
	Fabrication of an IC engineer for UAV applications	National University of Sciences and Technology (NUST) , CAE, Risalpur	Mechanical	500000	200000	200000	80000	
	High Efficiency Irrigation system (HEIS) in outskirts of a city	DHA, Suffah University, Karachi	Civil	200000	200000	200000	80000	Account Title: DHA SUFFA UNIVERSITY Account Number: 1074-0081-004027-01
	Treatment of used ablution (wazu) from Masjid for reuse	DHA, Suffah University, Karachi	Civil	200000	200000	200000	80000	
	DEEP (Development Education Empowerment Progress) – A skill-training programme of DSU for making the youth living near outskirts of Karachi, coming from underprivileged families, to turn proficient with technical know-how & learn basics of construction.	DHA, Suffah University, Karachi	Civil	500000	200000	200000	80000	
	Design and Analysis if Photovoltaic Powered Reverse Osmosis Desalination System	DHA, Suffah University, Karachi	Electrical	2000000	200000	200000	80000	
	Design and Fabrication of a highly efficient solar water heating using nanoparticles	DHA, Suffah University, Karachi	Electrical	1000000	200000	200000	80000	

34	Water Crises and Rain Water Harvesting in DHA, Karachi	DHA, Suffah University, Karachi	Electrical	2000000	200000	200000	80000	U1-3 IBAN Number: PK06 1074 0081 0040 2701 CJM25447996774 Address: DG-78, OFF KHY-e-TUFAIL, Phase-VII EXT, DHA, Karachi Bank Name Bank Al-Falah
	Unconventional and aesthetic 5-seater Electric Tri wheeler	DHA, Suffah University, Karachi	Electrical	2000000	200000	200000	80000	
	IoT Based Weather Monitoring System	DHA, Suffah University, Karachi	Electrical	3000000	200000	200000	80000	
	AI based traffic signal control system	DHA, Suffah University, Karachi	Electrical	1000000	200000	200000	80000	
35	Concept and Mission Design of a Small Space Tug Satellite for Debris Remedation in low earth Orbit	Air University, Islamabad	Mechanical	250000	200000	200000	80000	Account No. 0131-1003207173 Account Title AIR UNIVERSITY ISLAMABAD
	3D Printer Based on FDM	Air university, Islamabad	Electrical	100000	100000	100000	40000	
	Automatic Book Scanner	Air university, Islamabad	Electrical	100000	100000	100000	40000	
	Deep Learning based Automatic Module Classification	Air university, Islamabad	Electrical	100000	100000	100000	40000	
	IOT Based unmanned Armed Ground Vehicle	Air university, Islamabad	Electrical	100000	100000	100000	40000	
36	Design and Development of IOT Based Smart Solar Irrigation Monitoring and Controlling System	BZU, Multan	Electrical	60000	60000	60000	24000	Supervisor 01 Account Title: Muhammad saad khan Mobile No. 03006384438 CNIC # 36302-7775325-7 Bank Name : HBL (Bzu Multan) Account Number : 12717900413103
37	Automatic Smart Electrical Power Control System with Enhanced Features using Microcontroller	BZU, Multan	Electrical	40000	40000	40000	16000	
38								Education Trust – CASE Account No. : 0115-1650500298 Bank Name : Askari Bank Ltd. Branch Address: Kamran Center, F-Block, Blue Area Islamabad. Branch Code: 0115
	Design and Manufacturing of low cost SCARA robot	CASE, Islamabad	Electrical	140000	140000	140000	56000	
	Artizen	NUST, H-12, Islamabad	Geo informatics	25000	25000	25000	10000	
	Smart Warehouse	NUST, H-12, Islamabad	Geo informatics	80000	80000	80000	32000	
	Signified	NUST, H-12, Islamabad	Geo informatics	420000	200000	200000	80000	
	Tutornia	NUST, H-12, Islamabad	Geo informatics	300000	200000	200000	80000	
	Influence of chemical treatment on the structural properties and durability of locally available bamboo as a sustainable construction material.	NUST, H-12, Islamabad	Civil	190000	190000	190000	76000	
	Mycelium-Based Bioplastic: An Alternative to Polystyrene	NUST, H-12, Islamabad	Civil	520000	200000	200000	80000	

39	To develop sustainable lightweight ALECA infill smart panels for buildings and development of machine learning tool to predict mechanical properties of ALECA concrete	NUST, H-12, Islamabad	Civil	164000	164000	164000	65600	Account title SCHOLARSHIP-NUST STUDENTS Account Number 229270004940 01 Bank HBL H-12, Islamabad
	Intelligent Gepbing (Smart LMS)	NUST, H-12, Islamabad	Geo informatics	100000	100000	100000	40000	
	To develop a 3D Concrete printer (CNC router Machine based) Capable of moving in 3 D Degrees of Freedom	NUST, H-12, Islamabad	Civil	100000	100000	100000	40000	
	Development of Process simulation model of gas processing plant for OGDCL	NUST, H-12, Islamabad	Chemical	100000	100000	100000	40000	
40	Solar Powered Double H-Bridge LLC Resonant Converter Based Electrical Vehicle Battery Charger with Wide Charging Range and Low Output Voltage Ripples	UoG, Gujrat	Electrical	100000	100000	100000	40000	Account title UoG Misc Fee Account No 65100319456000-24 Bank of the Punjab UoG Branch branch Code 0165
41	Optimization Of Input Parameters For Top Link Used In Millat Tractor For Thread Per Inch And Diametric Measurements At Various Points.	UoP, Lahore	Mechanical	100000	100000	100000	40000	Account title Department of Industrial Engineering & Management Bank UBL Account No 0913-276643778 IBAN 11UNIL0109000276643778
	Integrating the principles of lean manufacturing and ergonomics in textile sector	UoP, Lahore	Mechanical	60000	60000	60000	24000	