	National Grassroot ICT Research Initivative 2022-23						
	Shortlisted FYPs						
#	FYP Code	FYP Title	University	Campus	Department		
1	NGIRI-2023-18336	'Agriculture monitoring system'	Abasyn University	Islamabad	Computing and Technology		
2	NGIRI-2023-19381	'Alzheimer Detection System using Deep Learning'	Abasyn University	Islamabad	Computing and Technology		
3	NGIRI-2023-19710	'Early Flood detection'	Abbottabad University of Science And Technology	Havelian	Computer Science		
4	NGIRI-2023-19713	'Automated File Handler (Robot)'	Abbottabad University of Science And Technology	Havelian	Computer Science		
5	NGIRI-2023-19720	'Food Shop Travelling (FST)'	Abbottabad University of Science And Technology	Havelian	Computer Science & IT		
6	NGIRI-2023-19725	'Air pollution monitoring system '	Abbottabad University of Science And Technology	Havelian	Computer Science		
7	NGIRI-2023-19728	'Benquet Hall And Restaurant Booking System '	Abbottabad University of Science And Technology	Havelian	Computer Science & IT		
8	NGIRI-2023-19744	10T based Smart waste management system '	Abbottabad University of Science And Technology	Havelian	Computer Science		
9	NGIRI-2023-19748	'MilkZilla'	Abbottabad University of Science And Technology	Havelian	Computer Science & IT		
10	NGIRI-2023-17370	'Al Enabled Face Recognition in Smart Mirror based on IoT'	Abdul Wali Khan University	Mardan			
		-	•		Computer Science		
11	NGIRI-2023-17136	"Therapeutic face cooling device using water channels for Acne and massaging effects'	Air University	Islamabad	Biomedical Engineering		
12	NGIRI-2023-17157	'Design and Implementation of Aural Electrodes to Monitor Jaw-Clenching using EMG'	Air University	Islamabad	Biomedical Engineering		
13	NGIRI-2023-17348	'Smart Biomedical Mattress for Health Monitoring and Prevention of Pressure Ulcers'	Air University	Islamabad	Biomedical Engineering		
14	NGIRI-2023-17375	'An Extended Signed Response Based IoT Enabled Patient Monitoring System'	Air University	Islamabad	Computer Science		
15	NGIRI-2023-17472	'Experimental Analysis of Hybrid Composite '	Air University	Islamabad	Avionics/Aeronautical Engineering		
16	NGIRI-2023-17561	'Hardware Implementation of Shunt Active Power Filter'	Air University	Islamabad	Electrical Engineering		
17	NGIRI-2023-17591	'continuous non invasive glucometer'	Air University	Islamabad	Telecom Engineering		
18	NGIRI-2023-17621	'Cost Effective Medical manikin-based Breech delivery simulator for medical training: transverse lie '	Air University	Islamabad	Biomedical Engineering		
19	NGIRI-2023-17824	'Intelligent and Fast Charging for Electric Vehicles'	Air University	Islamabad	Electrical Power Engineering		
20	NGIRI-2023-18187	'OnShop'	Air University	Islamabad	Computer Science		
21	NGIRI-2023-18477	'Sorting of Recycling Materials based on Indigenous PLC'	Air University	Islamabad	Electrical/Electronics Engineering		
22	NGIRI-2023-18483			Islamabad			
-		'Intelligent Transportation System '	Air University		Computer Engineering		
23	NGIRI-2023-18589	'Road Health Map '	Air University	Islamabad	Computer Science & IT		
24	NGIRI-2023-18850	'Design and analysis of tandem wing tube launched UAV'	Air University	Islamabad	Mechanical Engineering		
25	NGIRI-2023-20274	'Virtual Target Shooting Simulator for Military Applications'	Air University	Islamabad	Science & Technology		
26	NGIRI-2023-20894	'Smart Indoor Air Quality Monitoring System'	Air University	Islamabad	Computer Science & IT		
27	NGIRI-2023-20974	'DESIGN OF IOT BASED SMART HOME HEATING SYSTEM'	Air University	Islamabad	Electrical		
28	NGIRI-2023-21461	'Image Transmission Using Software Defined Radio'	Air University	Islamabad	Telecom Engineering		
29	NGIRI-2023-21562	'Airborne object detection and tracking using Artificial Intelligence'	Air University	Islamabad	Computer Engineering		
30	NGIRI-2023-21685	'LORENTZ FORCE BASED TWO STAGED RAIL ACCELERATOR TEST RIG'	Air University	Islamabad	Mechatronics Engineering		
31	NGIRI-2023-21689	"Test bench for Motor testing using hardware in loop concept"	Air University	Islamabad	Mechatronics Engineering		
32	NGIRI-2023-21823	'Weed Detection and Elimination for Agricultural Application'	Air University	Islamabad	Mechatronics Engineering		
33	NGIRI-2023-21915	'Pharmaceutical Vending machine '	Air University	Islamabad	Mechatronics Engineering		
34	NGIRI-2023-21946	'Smart Traffic Management System'	Air University	Islamabad	Mechanical Engineering		
35	NGIRI-2023-22155	'Aerodynamic Analysis of a Car to improve its Rear Body Characteristics by using Different Strategies Including Ejector Phenomenon'	Air University	Islamabad	Avionics/Aeronautical Engineering		
36	NGIRI-2023-22293	'Implementation of LMS algorithm on FPGA'	Air University	Islamabad	Electrical Engineering		
37	NGIRI-2023-22328	'Electric bike with regenerative breaking and IoT features'	Air University	Islamabad	Electrical Engineering		
38	NGIRI-2023-22386	'3D Printer Based on Fused Deposition Modelling with Dual Extrusion'	Air University	Islamabad	Electrical Engineering		
39	NGIRI-2023-22552	'Sary Agriculture Farm '	Air University	Islamabad	Electrical Power Engineering		
40	NGIRI-2023-22532						
		'DecentralizedConnect: Empowering Users with Control and Privacy in Social Media'	Air University	Islamabad	Computer Science & IT		
41	NGIRI-2023-22663	'Decentrax'	Air University	Islamabad	Computer Science		
42	NGIRI-2023-22682	'Smart multimodal identification system'	Air University	Islamabad	Electrical/Electronics Engineering		
43	NGIRI-2023-22729	'CarClues'	Air University	Islamabad	Computer Science & IT		
44	NGIRI-2023-22770	'loT Based Electricity Conservation System'	Air University	Islamabad	Computer Science		
45	NGIRI-2023-22935	'Digital AirWarfare'	Air University	Islamabad	Software Engineering		
46	NGIRI-2023-17709	'IoT Based Automated Fish Habitate Monitoring System'	Air University	Kamra	Computer Science		
47	NGIRI-2023-18380	'IoT-Based Non-Invasive Glucometer Using Machine Learning'	Air University	Kamra	Computer Science		
48	NGIRI-2023-19046	'IOT based smart AI remote asthma patient monitoring system '	Air University	Kamra	Computer Science		
49	NGIRI-2023-19226	'Design and development of magnetically coupled vectoral thruster for unmanned underwater vehicle '	Air University	Kamra	Mechanical Engineering		
50	NGIRI-2023-19599	'Solar Induction cooker'	Air University	Kamra	Electrical Engineering		
51	NGIRI-2023-19643	'DESIGN AND DEVELOPMENT OF TILT-ROTOR TRICOPTER FIXED WING AIR VEHICLE'	Air University	Kamra	Mechanical Engineering		
52	NGIRI-2023-21398	'CONDITION MONITORING AND ESTIMATION OF REMAINING USEFUL LIFE OF BEARINGS'	Air University	Kamra	Mechanical Engineering		
53	NGIRI-2023-21717	'Drone Technology for pesticide spraying'	Air University	Kamra	Electrical Engineering		
54	NGIRI-2023-22038	'Augmented Reality Based User Manuals '	Air University	Kamra	Computer Science		
55	NGIRI-2023-22174	'Desktop PC (Hardware) Monitoring System'	Air University	Kamra	Computer Science & IT		
56	NGIRI-2023-22174 NGIRI-2023-22518	¹ Integration of Ultrasonic Testing and Machine Learning for Automated Structural Health Monitoring of Mega	Air University	Kamra	Mechanical Engineering		
57		Structures'					
	NGIRI-2023-21502	'Remote Control Fire Extinguisher Robot'	Al-Hamd Islamic University	Quetta	Computer Science		
58	NGIRI-2023-21836	HAND GESTURE AND VOICE CONTROLLING WHEELCHAIR SYSTEM '	Al-Hamd Islamic University	Quetta	Computer Science		
59	NGIRI-2023-21984	'Load Management System'	Al-Hamd Islamic University	Quetta	Computer Science		

Allama Iqbal Open University

60 NGIRI-2023-17431 'MATLAB based GUI for LIDAR data processing and analysis'

#	FYP Code	FYP Title	University	Campus	Department
61	NGIRI-2023-17862	'Rapid three dimensional model generation in maya '	Allama Iqbal Open University	Main	Computer Science
62	NGIRI-2023-17874	'Enhancing education via 3D modelling of computer science images of early grade students '	Allama Iqbal Open University	Main	Computer Science
63	NGIRI-2023-17876	'University Bus and Tracking system for Employees and Students '	Allama Iqbal Open University	Main	Computer Science
64	NGIRI-2023-17361	'Biometric Student Attendance System '	Bahauddin Zakariya University	Main	Computer Science
65	NGIRI-2023-17680	'IoT enabled Smart Dairy Farm Management system '	Bahauddin Zakariya University	Main	Electrical Engineering
66	NGIRI-2023-18419	'Energy Management and wireless charging for EVs'	Bahauddin Zakariya University	Main	Electrical Engineering
67	NGIRI-2023-19207	'IOT BASED INTELLIGENT SYSTEM FOR GREEN HOUSE ENVIRONMENT MONITORING AND CONTROLLING SYSTEM '	Bahauddin Zakariya University	Main	Electrical Engineering
68	NGIRI-2023-16913	'From ON Grid To OFF Grid UPS'	Bahria University	Islamabad	Electrical Engineering
69	NGIRI-2023-17430	'Railway Crack Detection Robot'	Bahria University	Islamabad	Electrical Engineering
70	NGIRI-2023-17493	'Occupational Exoskeleton for upper limb'	Bahria University	Islamabad	Electrical/Electronics Engineering
71	NGIRI-2023-17545	'Automatic voltage regulator for synchronous generator'	Bahria University	Islamabad	Electrical/Electronics Engineering
72	NGIRI-2023-17570	'CLEAN WATER GENERATOR USING AIR HUMIDITY & ELECTROLYSIS'	Bahria University	Islamabad	Computer Engineering
73	NGIRI-2023-17580	'AgriSmart'	Bahria University	Islamabad	Software Engineering
74	NGIRI-2023-17771	'Swarm UAVS'	Bahria University	Islamabad	Electrical Engineering
75	NGIRI-2023-18165	'Automated Fruit Grading and Sorting System'	Bahria University	Islamabad	Computer Engineering
76	NGIRI-2023-18372	'Text to Image Model using AI'	Bahria University	Islamabad	Computer Science
77	NGIRI-2023-18949	'Autonomous Pick and Place Robotic Arm with Object Detection and Recognition'	Bahria University	Islamabad	Computer Engineering
78	NGIRI-2023-19083	'Pests Detection and Classification on National Crop based on Deep learning'	Bahria University	Islamabad	Computer Engineering
79	NGIRI-2023-19237	'Autonomous Sentry Gun'	Bahria University	Islamabad	Computer Science
80	NGIRI-2023-19598	'trAlon (virtual tryon)'	Bahria University	Islamabad	Software Engineering
81	NGIRI-2023-19681	'IoT and Artificial Intelligence Based Heart Disease Prediction for Rural Communities'	Bahria University	Islamabad	Computer Science & IT
82	NGIRI-2023-19950	"Trail Ease'	Bahria University	Islamabad	Software Engineering
83	NGIRI-2023-22265	'Garbage monitoring system'	Bahria University	Islamabad	Computer Science & IT
84	NGIRI-2023-22476	'Lift Do'	Bahria University	Islamabad	Computer Science
85	NGIRI-2023-16809	'Design and Development of Phasor Measurement Unit (PMU) for Data Analysis using Machine Learning'	Bahria University	Karachi	Electrical Power Engineering
86	NGIRI-2023-17337	'lot based Aqua purification system '	Bahria University	Karachi	Computer Engineering
87	NGIRI-2023-17890	'Smart Wheelchair'	Bahria University	Karachi	Computer Engineering
88	NGIRI-2023-18107	'WATER TRASH COLLECTING VEHICLE USING WIRELESS COMMUNICATION'	Bahria University	Karachi	Electrical Engineering
89	NGIRI-2023-18175	'VIRTUAL AIDED CONTROL SYSTEM FOR UNMANNED VEHICLES'	Bahria University	Karachi	Computer Engineering
90	NGIRI-2023-18349	'Kids safety tracker'	Bahria University	Karachi	Computer Engineering
91	NGIRI-2023-18436	'Road Side Power Generation Using Wind Energy'	Bahria University	Karachi	Electrical Engineering
92	NGIRI-2023-18702	'SMART ELECTRIC WHEEL CHAIR'	Bahria University	Karachi	Electrical Engineering
93	NGIRI-2023-18729	'IMPACT STUDY OF INDUSTRIAL AIR POLLUTANTS ON POLYMER INSULATORS IN COASTAL REGIONS ADOPTING ACCELERATED AGING TECHNIQUE'	Bahria University	Karachi	Electrical Power Engineering
94	NGIRI-2023-18983	'Automated ironing machine'	Bahria University	Karachi	Electrical Power Engineering
95	NGIRI-2023-19538	'IOT Based Power Saving Water Management System'	Bahria University	Karachi	Electrical Engineering
96	NGIRI-2023-19585	'E-Signature'	Bahria University	Karachi	Information Technology
97	NGIRI-2023-19604	'Immersive Treatment of aerophobia using Virtual reality'	Bahria University	Karachi	Computer Science & IT
98	NGIRI-2023-21515	'Degree verification system using blockchain'	Bahria University	Karachi	Software Engineering
99	NGIRI-2023-21803	'Blind Assistant'	Bahria University	Karachi	Software Engineering
100	NGIRI-2023-21990	'FISHERY EXCHANGE B2B AND B2C'	Bahria University	Karachi	Computer Science
101	NGIRI-2023-22037	'ONLINE FYP REPORT SUBMISSION AND EVALUATION PORTAL'	Bahria University	Karachi	Computer Science
102	NGIRI-2023-22104	'Energy Harvesting Using Ocean Waves '	Bahria University	Karachi	Electrical Power Engineering
103	NGIRI-2023-22203	'Pak-Agrihub'	Bahria University	Karachi	Computer Science
104	NGIRI-2023-22433	'IOT BASED SMART WASTE MANAGEMENT SYSTEM'	Bahria University	Karachi	Telecom Engineering
105	NGIRI-2023-16774	'Implement a Smart Agent for Cyber Security Based on Honeypot using Machine Learning'	Bahria University	Lahore	Computer Science & IT
106	NGIRI-2023-16803	'Cassava Disease Categorization using Deep Neural Networks'	Bahria University	Lahore	Computer Science
107	NGIRI-2023-16807	'Smart Car Parking System'	Bahria University	Lahore	Computer Science & IT
108	NGIRI-2023-17108	'Helping TaskForce'	Bahria University	Lahore	Computer System
109	NGIRI-2023-17281	'Software Requirements Categorization using NLP'	Bahria University	Lahore	Computer Science
110	NGIRI-2023-17313	'Islam Q'	Bahria University	Lahore	Computer Science
111	NGIRI-2023-17616	'Visualization of Health Data Through a Virtual Avatar'	Bahria University	Lahore	Computer System
112	NGIRI-2023-17649	'EDCADEMY ONLINE EXAMINATION APPLICATION'	Bahria University	Lahore	Computer Science
113	NGIRI-2023-22813	'Muawanat app '	Bahria University	Lahore	Computer Science & IT
114	NGIRI-2023-18321	'Online Condition Monitoring of Induction Motor through wireless communication'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electrical Engineering
115	NGIRI-2023-19593	'Wireless Power Transmission Via Solar Station '	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Mechanical Engineering
116	NGIRI-2023-19881	'Design a system for waste water recycling using Arduino UNO and IoT base on BUETK Hostels'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Computer System Engineering
117	NGIRI-2023-19923	'Date fruit classification using convulution neural network'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Computer System Engineering
118	NGIRI-2023-20032	'Revolutionising Indoor farming with IoT-based Solution for Automated Indoor Agriculture'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Computer System Engineering
119	NGIRI-2023-21663	'Smart Energy System for Shoping Mall on Pizeo Electricity'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electrical Engineering
120	NGIRI-2023-21765	'Enhancing Driver Safety with Arduino Based Smart System'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electronics Engineeering

	FYP Code	FYP Title	University	Campus	Department
121	NGIRI-2023-21808	'Remote ECG Monitoring Alarm System'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electronics Engineeering
122	NGIRI-2023-21936	'Al Powered Crop Recommendation System in Balochistan'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Computer System Engineering
123	NGIRI-2023-22003	'Advanced technique for detection of veins for easy and safe injection using lot5440008768461'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electrical Engineering
124	NGIRI-2023-22475	'Automatic Solar Energy Green House Controlling and Monitoring System'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Electronics Engineeering
125	NGIRI-2023-23013	'Fabrication of anaerobic digester for the determination of energy potential of organc waste at khuzdar city'	Balochistan University of Engineering and Technology, Khuzdar	Khuzdar	Mechanical Engineering
126	NGIRI-2023-16902	'3D Path Planning for UAVs using Neural Network '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Science
127	NGIRI-2023-16999	'Smart Helmet for Accident Detection & Reporting System'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering
128	NGIRI-2023-18219	'Design and Fabrication of Solar Dryer for Efficient Drying of Fruits'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Engineering and Sciences
129	NGIRI-2023-18498	'Plant Care'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Science
130	NGIRI-2023-18844	'loT Based Smart Waste Tracking System For Hospitals'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology
131	NGIRI-2023-18863	'Smart-E-Shoes'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering
132	NGIRI-2023-18884	'Encoded Decoded Smart Board For Blind Using Alphabet Recognition '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical Engineering
133	NGIRI-2023-19055	'IOT based smart hydroponic system '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical Engineering
134	NGIRI-2023-19154	'An Automatic Speech Recognition System for Urdu Language '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Science
135	NGIRI-2023-19242	'Parking guidance and management system based on IOT'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical Engineering
136	NGIRI-2023-19280	'Psychological self assessment app'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology
137	NGIRI-2023-19490	'GSM Based Smart Gas Leakage Alert System'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineeering
138	NGIRI-2023-20132	'loT Based Agricultural System'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical Engineering
139	NGIRI-2023-21069	'Smart Aeroponic Cultivation System'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering
140	NGIRI-2023-21109	'E Technecian'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering
141	NGIRI-2023-21228	'E pharmacist'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology
142	NGIRI-2023-21800	'Portable Lab for Fluid Quality Assessment '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical/Electronics Engineering
143	NGIRI-2023-22359	'wellness care'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology
144	NGIRI-2023-22602	'Fabrication of automated digestor for waste paper pulping to fresh product'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Engineering and Sciences
145	NGIRI-2023-22604	'Development of solar driven system and process optimization for dryer of paper industry '	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Engineering and Sciences
146	NGIRI-2023-23090	'Carbonated water injection as an Enhanced oil recovery for light oil reservoir.'	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Mechanical Engineering
147	NGIRI-2023-18814	'Sign language detection using AI and Mobile App'	Benazir Bhutto Shaheed University	Karachi	Computer Science
148	NGIRI-2023-18871	'Health Monitoring E-Jacket for Solider using IoMT and Machine learning'	Benazir Bhutto Shaheed University	Karachi	Information Technology
149	NGIRI-2023-18969	'MedTech A solution for paralysed patients'	Benazir Bhutto Shaheed University	Karachi	Computer Science & IT
150	NGIRI-2023-19170	'MAPCHAIN A Map Validation Solution For Tourism Department Using Blockchain'	Benazir Bhutto Shaheed University	Karachi	Computer Science
151	NGIRI-2023-20103	'Digital Saving App'	Benazir Bhutto Shaheed University	Karachi	Management and Information Sciences
152	NGIRI-2023-20943	'Karayedar pk'	Benazir Bhutto Shaheed University	Karachi	Computer Science & IT
153	NGIRI-2023-22183	'SindhSight'			
_		Sindrisignt	Benazir Bhutto Shaheed University	Karachi	Computer Science
154	NGIRI-2023-17496	Design and fabrication of a prototype human powered Quadracycle'	Benazir Bhutto Shaheed University of Technology & Skill Development	Karachi Main	Computer Science  Mechanical Engineering
154 155	NGIRI-2023-17496 NGIRI-2023-19673		Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development		
		Design and fabrication of a prototype human powered Quadracycle'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main	Mechanical Engineering
155	NGIRI-2023-19673	"Design and fabrication of a prototype human powered Quadracycle' "Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'	Benazir Bhutto Shaheed University of Technology & Skill Development  Benazir Bhutto Shaheed University of Technology & Skill Development  Benazir Bhutto Shaheed University of Technology & Skill Development  Benazir Bhutto Shaheed University of Technology & Skill  Development  Benazir Bhutto Shaheed University of Technology & Skill  Development	Main Main	Mechanical Engineering Electronics
155 156	NGIRI-2023-19673 NGIRI-2023-19905	'Design and fabrication of a prototype human powered Quadracycle'  'Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  'Tot based smart agriculture monitoring system'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main	Mechanical Engineering Electronics Electronics
155 156 157	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089	"Design and fabrication of a prototype human powered Quadracycle'  "Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based Dr. Microgrid'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main	Mechanical Engineering Electronics Electronics Electronics Electrical Engineering
155 156 157 158 159	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based Dc Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering
155 156 157 158 159	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20289	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based Dc Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering
155 156 157 158 159	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20289 NGIRI-2023-21127	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  1ot based smart agriculture monitoring system'  1ot based Dc Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine '  Enhancement of water distillation efficiency by solar still'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Mechanical Engineering
155 156 157 158 159 160 161 162	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20247 NGIRI-2023-20244 NGIRI-2023-20244 NGIRI-2023-20244 NGIRI-2023-20245	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based De Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine '  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/Turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution '	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Mechanical Engineering Electrical Engineering
155 156 157 158 159 160 161 162 163	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20247 NGIRI-2023-222471 NGIRI-2023-16850 NGIRI-2023-16887	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based De Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine'  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/turbine'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Mechanical Engineering Electrical Engineering Mechanical Engineering
155 156 157 158 159 160 161 162 163 164	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20240 NGIRI-2023-20244 NGIRI-2023-222471 NGIRI-2023-16850 NGIRI-2023-16887 NGIRI-2023-16980	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based De Microgrid'  Design and development of Flydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine'  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Magiev Wind mill/turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution'  Designing and prototype of cross flow turbine for low/zero head turbine'  Shell Eco Marathon Urban Concept Chassis Optimization'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Capital University of Technology & Skill Development Capital University of Science and Technology	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering
155 156 157 158 159 160 161 162 163 164 165	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20224 NGIRI-2023-21127 NGIRI-2023-21224 NGIRI-2023-212471 NGIRI-2023-16880 NGIRI-2023-16880 NGIRI-2023-16980 NGIRI-2023-17056	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based De Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine '  Enhancement of water distillation efficiency by solar still'  Tot Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution '  Designing and prototype of cross flow turbine for low/zero head turbine'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Capital University of Science and Technology Capital University of Science and Technology Capital University of Science and Technology	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering
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155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-2024 NGIRI-2023-2024 NGIRI-2023-22024 NGIRI-2023-22024 NGIRI-2023-12857 NGIRI-2023-16850 NGIRI-2023-16890 NGIRI-2023-17939 NGIRI-2023-17939 NGIRI-2023-17939 NGIRI-2023-17939 NGIRI-2023-17938	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based Dc Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Pelton wheel Turbine'  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution'  Design and prototype of cross flow turbine for low/zero head turbine'  Shell Eco Marathon Urban Concept Chassis Optimization'  DESIGN AND DEVELOPMENT OF CONTINUOUS PASSIVE MOTION MACHINE FOR POST KNEE SURGERY REHABILITATION'  Design of an Automatic Seed injecting and Plant Watering System'  Tot based multi purpose advertisment for digital bill boards'  Timplementation of E-commerce (D2C and C2C) business model in the construction industry of Pakistan'  Digital transformation of standard contracts into e-contracts for Civil engineering'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Capital University of Science and Technology & Skill Development Capital University of Science and Technology	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electronics Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Computer Science Computer Science Electrical Engineering Electrical Engineering Computer Science Computer Science Ecomputer System
155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-20241 NGIRI-2023-10090	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based Dc Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design fabrication and Energy Analyses of Pelton wheel Turbine'  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/Turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution'  Design and prototype of cross flow turbine for low/zero head turbine'  Shell Eco Marathon Urban Concept Chassis Optimization'  DESIGN AND DEVELOPMENT OF CONTINUOUS PASSIVE MOTION MACHINE FOR POST KNEE SURGERY REHABILITATION'  Design of an Automatic Seed Injecting and Plant Watering System'  Tot based multi purpose advertisment for digital bill boards'  Timplementation of E-commerce (D2C and C2C) business model in the construction industry of Pakistan'  Digital transformation of standard contracts into e-contracts for Civil engineering'  Al based ball picker'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Capital University of Science and Technology CECOS University of Science and Technology CECOS University of Science and Technology CECOS University of Science Sciences	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electronics Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Computer Science Computer Science Computer Science Electrical Engineering Electrical Engineering
155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	NGIRI-2023-19673 NGIRI-2023-19905 NGIRI-2023-20089 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20249 NGIRI-2023-20241 NGIRI-2023-21127 NGIRI-2023-22024 NGIRI-2023-22024 NGIRI-2023-12850 NGIRI-2023-12850 NGIRI-2023-15850 NGIRI-2023-17056 NGIRI-2023-17056 NGIRI-2023-17056 NGIRI-2023-17056 NGIRI-2023-17056 NGIRI-2023-17056 NGIRI-2023-17058 NGIRI-2023-18499 NGIRI-2023-18292 NGIRI-2023-18292 NGIRI-2023-18295 NGIRI-2023-18490 NGIRI-2023-18490	Design and fabrication of a prototype human powered Quadracycle'  Design and Development of Smart Therapeutic Glove for Stroke Rehabilitation'  Tot based smart agriculture monitoring system'  Tot based De Microgrid'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design and development of Hydrogen Fuell Cell for electric vehicle'  Design Fabrication and Energy Analyses of Petton wheel Turbine'  Enhancement of water distillation efficiency by solar still'  TOT Smart Energy Meter Monitoring and Theft Detection'  Maglev Wind mill/turbine'  Design and Development of Polythene Bag Recycling Setup to Overcome Environmental Pollution '  Design and prototype of cross flow turbine for low/zero head turbine'  Shell Eco Marathon Urban Concept Chassis Optimization'  DESIGN AND DEVELOPMENT OF CONTINUOUS PASSIVE MOTION MACHINE FOR POST KNEE SURGERY REHABILITATION'  Design of an Automatic Seed Injecting and Plant Watering System'  Tot based multi purpose advertisment for digital bill boards'  Timplementation of E-commerce (D2C and C2C) business model in the construction industry of Pakistan'  Digital transformation of standard contracts into e-contracts for Civil engineering '  All based ball picker'  Solar Vegetables and Fruits Dryer with Temperature and Humidity control system'	Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Benazir Bhutto Shaheed University of Technology & Skill Development Capital University of Science and Technology Capital Universi	Main Main Main Main Main Main Main Main	Mechanical Engineering Electronics Electronics Electronics Electronics Electronics Electrical Engineering Electrical Engineering Mechanical Engineering Computer Science Computer Science Computer Science & IT Computer System Electrical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering
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## Shortlisted EVDs

#	FYP Code	FYP Title	University	Campus	Department
181	NGIRI-2023-17909	'Design and fabrication of wall painting robot'	City University of Science & Information Technology	Peshawar	Electrical Engineering
182	NGIRI-2023-17970	'DESIGNING AGRICULTURAL FERTILIZER DRONE FOR SURVEILLANCE WITH OPTIMIZED SPRAYING MECHANISM'	City University of Science & Information Technology	Peshawar	Electrical Engineering
183	NGIRI-2023-19177	'RAMA Rangeland Management'	City University of Science & Information Technology	Peshawar	Software Engineering
184	NGIRI-2023-20728	'Designing and Development of Cloud Based IOT Infrastructure for Remote Patient Health Monitoring'	City University of Science & Information Technology	Peshawar	Electrical Engineering
185	NGIRI-2023-21826	'Smart Irrigation System'	City University of Science & Information Technology	Peshawar	Software Engineering
186	NGIRI-2023-16733	'E Cat A Domestic Robot'	COMSATS University of Information Technology	Abbottabad	Computer Science
187	NGIRI-2023-16786	'Interactive 3D holographic classroom display system '	COMSATS University of Information Technology	Abbottabad	Electrical Power Engineering
188	NGIRI-2023-16969	'Designing of MPPT Controller Using Deep Neurral Network'	COMSATS University of Information Technology	Abbottabad	Electrical Power Engineering
189	NGIRI-2023-17154	'Performance optimization of Electric Vehicle and its Regenerative Part'	COMSATS University of Information Technology	Abbottabad	Electrical Power Engineering
190	NGIRI-2023-17178	'Automatic License Plate Detection'	COMSATS University of Information Technology	Abbottabad	Electrical/Electronics Engineering
191	NGIRI-2023-18652	'Deep learning based face verification algorithm for edge devices'	COMSATS University of Information Technology	Abbottabad	Electrical/Electronics Engineering
192	NGIRI-2023-19095	'Design and Analysis of solar power ipad charger'	COMSATS University of Information Technology	Abbottabad	Electrical Power Engineering
193	NGIRI-2023-21982	'Virtual try on'	COMSATS University of Information Technology	Abbottabad	Software Engineering
194	NGIRI-2023-16670	'loT based Power Factor Correction using Static VAR Compensator'	COMSATS University of Information Technology	Attock	Electrical Engineering
195	NGIRI-2023-17760	Towards Reducing the Damage Through Autonomous Firefighting Mechanisms with Night Vision Using Image	COMSATS University of Information Technology	Attock	Computer Science
196	NGIRI-2023-18291	Processing'  Supervisory Control and Monitoring System for Induction motor using PLC'	COMSATS University of Information Technology	Attock	Electrical Engineering
197	NGIRI-2023-18686	'Design and implementation of electrical system for solar powered electric vehicle'	COMSATS University of Information Technology	Attock	Electrical Engineering
198	NGIRI-2023-18783	'lot Based Pick and Place Robot'	COMSATS University of Information Technology	Attock	Electrical Engineering
199	NGIRI-2023-18945	'Al Based Emotion Sensing for Enhancing Quality of Life '	COMSATS University of Information Technology	Attock	Computer Engineering
200	NGIRI-2023-20462	'Automatic vehicle check-in and check-out system using IoT and Deep Learning'	COMSATS University of Information Technology	Attock	Computer Engineering
201	NGIRI-2023-20871	'Smoke and Flame Detection using Deep Learning'	COMSATS University of Information Technology	Attock	Computer Engineering
202	NGIRI-2023-22015	'Green Vision: Empowering Agriculture with AI - Deep Learning-Based Plant Leaf Disease Detection and Classification'	COMSATS University of Information Technology	Attock	Computer Engineering
203	NGIRI-2023-16940	'Design of Smart Online Assisted Sleeves for Rehabilitation & Assessment of Physiotherapy Treatment.'	COMSATS University of Information Technology	Lahore	Electrical Engineering
204	NGIRI-2023-17418	INTELLIGENT CATTLE HEALTH MONITORING SYSTEM USING FEDERATED LEARNING, BODY AREA SENSORS, AND IOT	COMSATS University of Information Technology	Lahore	Computer Engineering
205	NGIRI-2023-17895	PLATFORM'  'An IOT based Posture detection and Battery management System with Machine learning for multimode wheelchair'	COMSATS University of Information Technology	Lahore	Electrical Engineering
206	NGIRI-2023-18437	'FireWatch'	COMSATS University of Information Technology	Lahore	Computer Science
207	NGIRI-2023-19198	'Design and Implementation Of Skw Induction Motor Based EV Conversion Kit for Small Hatchback Vehicle'	COMSATS University of Information Technology	Lahore	Electrical Engineering
208	NGIRI-2023-19428	'IOT Based Smart Interactive and Retrievable Shopping Cart with Billing Management System.'	COMSATS University of Information Technology	Lahore	Electrical Engineering
209	NGIRI-2023-16663	'Deep Fake Detection System '	COMSATS University of Information Technology	Main	Computer Science
210	NGIRI-2023-17273	'HawkEye'	COMSATS University of Information Technology	Main	Computer Science
211	NGIRI-2023-17312	'Flexible resistive switch used for memory devices using mechanically flexible materials.'	COMSATS University of Information Technology	Main	Electrical Engineering
212	NGIRI-2023-17558	'Speeding-up Real-Time Magnetic Resonance Imaging (MRI) with FPGA-Based Image Reconstruction'	COMSATS University of Information Technology	Main	Electrical Engineering
213	NGIRI-2023-18254	'Preparation and Characterization of Graphene-CsPbBr3 Junction'	COMSATS University of Information Technology	Main	Science & Technology
214	NGIRI-2023-18582	'FPGA-based Hardware Accelerator for Real-Time MRI Reconstruction'	COMSATS University of Information Technology	Main	Electrical/Electronics Engineering
215	NGIRI-2023-18603	'Construction of solar cell based on Fe2+ doped CsPbBr3'	COMSATS University of Information Technology	Main	Engineering and Sciences
216	NGIRI-2023-18922	'Synthesis and Fabrication of CsPbI2Br perovskite solar cells'	COMSATS University of Information Technology	Main	Electronics
217	NGIRI-2023-18923	'Fabrication of 2D layered hBN based (DUV) deep ultraviolet photodetectors'	COMSATS University of Information Technology	Main	Electronics
218	NGIRI-2023-18940	'NFLUENCER'	COMSATS University of Information Technology	Main	Computer Science
219	NGIRI-2023-19488	'Development of High Efficiency and Cost-Effective Perovskite Based Solar Powered Supercapacitors'	COMSATS University of Information Technology	Main	Engineering and Sciences
220	NGIRI-2023-20068	'Lidar based speed detection system'	COMSATS University of Information Technology	Main	Electronics
221	NGIRI-2023-21584	'PID BASED ONE DOF EXOSKELETON FOR FLEXION AND EXTENSION MOVEMENT OF ARM'	COMSATS University of Information Technology	Main	Electronics
222	NGIRI-2023-21896	'FPGA Implementation of Epileptic Seizure Detection'	COMSATS University of Information Technology	Main	Electrical Engineering
223	NGIRI-2023-22507	'Automated parking slot'	COMSATS University of Information Technology	Main	Electrical/Electronics Engineering
224	NGIRI-2023-17487	'Depth Extraction using Stereo Vision for a Self-Driving Car'	COMSATS University of Information Technology	Sahiwal	Electrical Engineering
225	NGIRI-2023-18426	'Lung cancer Detection '	COMSATS University of Information Technology	Sahiwal	Computer Science
226	NGIRI-2023-18594	'Influence of FDM process parameters on Mechanical properties of three D printed ABS Aramid fiber composite'	COMSATS University of Information Technology	Sahiwal	Mechanical Engineering
227	NGIRI-2023-19783	'Investigation of corrosion behavior of automative materials in biodiesel'	COMSATS University of Information Technology	Sahiwal	Mechanical Engineering
228	NGIRI-2023-19785	'Antiviral Drug Design for RSV and MERS virus '	COMSATS University of Information Technology	Sahiwal	Bio-Informatics
229	NGIRI-2023-19791	'Design of microwave script bandpass filter for 5G application'	COMSATS University of Information Technology	Sahiwal	Electrical Engineering
230	NGIRI-2023-19931	'Drug Traceability system using Blockchain'	COMSATS University of Information Technology	Sahiwal	Computer Science
231	NGIRI-2023-20196	'Be-Mle (An Automation Tool for Data Science/Artificial Intelligence) '	COMSATS University of Information Technology	Sahiwal	Computer Science & IT
232	NGIRI-2023-20305	'Youtale'	COMSATS University of Information Technology	Sahiwal	Computer Science
233	NGIRI-2023-20662	'CASE RASE for hiring lawyers'	COMSATS University of Information Technology	Sahiwal	Software Engineering
234	NGIRI-2023-20834	'Neuroprotection in Alzheimer'	COMSATS University of Information Technology	Sahiwal	Bio-Informatics
235	NGIRI-2023-21019	'Blockchain based Land Registration and Management System'	COMSATS University of Information Technology	Sahiwal	Computer Science
236	NGIRI-2023-21606	'Gesture vocalizer sign language to speach conversion for deaf, dumb and blind'	COMSATS University of Information Technology	Sahiwal	Electrical Engineering
237	NGIRI-2023-22281	'Unmanned ground vehicle for smart agriculture'	COMSATS University of Information Technology	Sahiwal	Electrical Engineering
238	NGIRI-2023-22337	'Design and Fabrication of a Controlled Environment 3D Printer with Improved Printing and Fixed Frame Angle'	COMSATS University of Information Technology	Sahiwal	Mechanical Engineering
239	NGIRI-2023-22387	'Modelling Of Chainless Hybrid Bicycle'	COMSATS University of Information Technology	Sahiwal	Mechanical Engineering
240	NGIRI-2023-16695	'Smart Animetronic Eyes'	COMSATS University of Information Technology	Wah	Computer Science
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## Shortlisted EVDs

#	FYP Code	FYP Title	University	Campus	Department
241	NGIRI-2023-17016	'IoT Based Hydroponic Farming'	COMSATS University of Information Technology	Wah	Electrical Engineering
242	NGIRI-2023-17170	'ANDROID MILITARY SPYING AND BOMB DISPOSAL ROBOT'	COMSATS University of Information Technology	Wah	Electrical Engineering
243	NGIRI-2023-17188	'Design and development of the high power wideband multi mode underwater acoustic Transducer'	COMSATS University of Information Technology	Wah	Mechanical Engineering
244	NGIRI-2023-17191	'Design Analysis and Fabrication Of Artificial Bio Implant '	COMSATS University of Information Technology	Wah	Mechanical Engineering
245	NGIRI-2023-17290	'design and fabrication of Unmanned Ground Vehicle'	COMSATS University of Information Technology	Wah	Engineering and Sciences
246	NGIRI-2023-17299	'Dry Hand Wash Machine using Fog Disinfection'	COMSATS University of Information Technology	Wah	Electrical Engineering
247	NGIRI-2023-17386	'Synthesis of synthetic rubber'	COMSATS University of Information Technology	Wah	Mechanical Engineering
248	NGIRI-2023-18035	'Blind Spot Detection System In Vehicles'	COMSATS University of Information Technology	Wah	Electrical Engineering
249	NGIRI-2023-18081	'Autonomous First Aid Drone AFAD'	COMSATS University of Information Technology	Wah	Software Engineering
250	NGIRI-2023-19523	'Humanoid Robotic hand'	COMSATS University of Information Technology	Wah	Electrical/Electronics Engineering
251	NGIRI-2023-19685	'Fetal Health Predictive System'	COMSATS University of Information Technology	Wah	Software Engineering
252	NGIRI-2023-19714	'smart helmet improving rider safety through lot and AWS services'	COMSATS University of Information Technology	Wah	Computer Science
253	NGIRI-2023-19768	'A Machine Learning-Based RUL Estimation Method For Lithium-Ion Battery'	COMSATS University of Information Technology	Wah	Computer Science
254	NGIRI-2023-19797	'Unmanned Grounded Vehicle '	COMSATS University of Information Technology	Wah	Computer System
255	NGIRI-2023-21206	'Linear Actuator for Suspension System'	COMSATS University of Information Technology	Wah	Electrical Power Engineering
256	NGIRI-2023-17037	'Autonomous Guided Vehicle'	Dawood University of Engineering and Technology	Main	Electronics Engineeering
257	NGIRI-2023-17235	'Cloud Based EHR System Secured With Blockchain'	Dawood University of Engineering and Technology	Main	Computer System Engineering
258	NGIRI-2023-17340	'Al-Based Agri-Bot for Smart Farming'	Dawood University of Engineering and Technology	Main	Electronics Engineeering
259	NGIRI-2023-17363	'Digital Doctor'	Dawood University of Engineering and Technology	Main	Electronics Engineeering
260	NGIRI-2023-17900	'Smart Grid based on Cognitive Radio'	Dawood University of Engineering and Technology	Main	Telecom Engineering
261	NGIRI-2023-18218	'Plant Disease Detection and Monitoring using IoT'	Dawood University of Engineering and Technology	Main	Telecom Engineering
262	NGIRI-2023-18570	'CROPS DISEASE IDENTIFICATION SYSTEM'	Dawood University of Engineering and Technology	Main	Electronics Engineeering
263	NGIRI-2023-20619	'Next-Generation Attendance System Using Computer Vision and NLP'	Dawood University of Engineering and Technology	Main	Computer Science
264	NGIRI-2023-20964	TRAFFIC ACCIDENT DETECTION WITH COMPUTER VISION USING AUTONOMOUS UAV	Dawood University of Engineering and Technology	Main	Computer System Engineering
265	NGIRI-2023-21254	'Stuttering Therapy Tool'	Dawood University of Engineering and Technology	Main	Computer System Engineering
266	NGIRI-2023-21390	'Al Based Testing Service Assistance App'	Dawood University of Engineering and Technology	Main	Computer System Engineering
267	NGIRI-2023-22486	Brain Mapping Classification through Neuromorphic Computing'	Dawood University of Engineering and Technology	Main	Computer Science
268	NGIRI-2023-16729	'Design and implementation of a four quadrant DC chopper drive for DC motor speed control'	DHA Suffa University	Main	Electrical Engineering
269	NGIRI-2023-16827	'bookbank'	DHA Suffa University	Main	Computer Science
270	NGIRI-2023-16839	'Charity System Based On BlockChain'	DHA Suffa University	Main	Computer Science
271	NGIRI-2023-16863	'DESIGN AND FABRICATION OF SOLAR THERMAL COOKER'	DHA Suffa University	Main	Mechanical Engineering
272	NGIRI-2023-16880	'Design and Fabrication of Solar Biogas Digester'	DHA Suffa University	Main	Mechanical Engineering
273	NGIRI-2023-20712	'Design and Fabrication of small scale Trash Compression Machine'	DHA Suffa University	Main	Mechanical Engineering
274	NGIRI-2023-21352	'Sneaker Vision'	DHA Suffa University	Main	Computer Science
275	NGIRI-2023-21561	'Supply Chain Automation'	DHA Suffa University	Main	Computer Science
276	NGIRI-2023-17065	'DerMate-Skincare Product Recommendation System'	Fatima Jinnah Women University	Main	Computer Science
277	NGIRI-2023-17104	'Design and development of an autonomously navigating indoor and outdoor Robotic rover platform for various tasks.'	Fatima Jinnah Women University	Main	Electronics Engineeering
278	NGIRI-2023-18715	'Pedagogic Quran EBook '	Fatima Jinnah Women University	Main	Computer Science
279	NGIRI-2023-20396	"Trashbot - An Artificial Intelligence based Framework for Automated Waste Segregation '	Fatima Jinnah Women University	Main	Software Engineering
280	NGIRI-2023-21145	'Air Quality Monitoring and Control System '	Fatima Jinnah Women University	Main	Software Engineering
281	NGIRI-2023-21243	'Fire Eye:A Smart Solution for Real-Time Forest Fire and Smoke Detection'	Fatima Jinnah Women University	Main	Software Engineering
282	NGIRI-2023-17346	'Hybrid Energy Generation With Wind Turbine And Pv Array'	Federal Urdu University of Arts, Science and Technology	Islamabad	Electrical Engineering
283	NGIRI-2023-17605	'Consumer Occupation Based Home Energy Management System'	Federal Urdu University of Arts, Science and Technology	Islamabad	Electrical Engineering
284	NGIRI-2023-18728	Intelligent Caregiver Robot for COVID-19 Ward	Federal Urdu University of Arts, Science and Technology	Islamabad	Electrical/Electronics Engineering
285	NGIRI-2023-17098	"UV sensor based Dual Axis Solar Tracking System: Implementation and Analysis"	Foundation University	Islamabad	Electrical Engineering
286	NGIRI-2023-17143	'Smart Water Management System using IoT'	Foundation University	Islamabad	Computer Science
287	NGIRI-2023-17323	'Al based surveillance system'	Foundation University	Islamabad	Electrical Engineering
288	NGIRI-2023-18334	'Carize BI Trending System'	Foundation University	Islamabad	Software Engineering
289	NGIRI-2023-18374	'MR SAUVY (Sentiment Analysis of Urdu Vlogs on YouTube)'	Foundation University	Islamabad	Software Engineering
290	NGIRI-2023-19176	'Smart Advertisement'	Foundation University	Islamabad	Electrical Engineering
291	NGIRI-2023-19419	'Advanced Baby Incubator'	Foundation University	Islamabad	Biomedical Engineering
292	NGIRI-2023-19453	'Automan Humero Physiotherapy machine'	Foundation University	Islamabad	Biomedical Engineering
293	NGIRI-2023-19509	'MY TRANS KNEE'	Foundation University	Islamabad	Biomedical Engineering
294	NGIRI-2023-22484	'Spectrum sensing measurements results using RF transceiver and FPGA'	Foundation University	Islamabad	Electrical Engineering
295	NGIRI-2023-16952	'Design and Implementation of Brain Computer Interface for Wheelchair'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Engineering and Sciences
296	NGIRI-2023-17119	'Al Based Welding in Advance Manufacturing '	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology		Mechanical Engineering
297	NGIRI-2023-17394	'Reverse Engineering of Automobile Brake Pads'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Mechanical Engineering
298	NGIRI-2023-18034	'Dual Axis Sun Tracker In Open Energy Audit Lab, GIK '	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical Power Engineering
299	NGIRI-2023-21749	'Al Based Brain Tumor Classifications in MRI'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Computer Science
300	NGIRI-2023-21958	'Dublr'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Computer Science

#	FYP Code	FYP Title	University	Campus	Department
301	NGIRI-2023-22002	'Autonomous Robot for Self Cleaning and Maintenance of Solar Panels'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical Power Engineering
302	NGIRI-2023-22153	'Al-Based Real-Time Monitoring System for Classrooms on FPGA'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical Engineering
303	NGIRI-2023-22413	'Radar based vehicle speed detection system'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical/Electronics Engineering
304	NGIRI-2023-22685	'Conversion of Combustion Engine to Electric Car with Safety Features'	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electronics Engineeering
305	NGIRI-2023-17295	'Motor Testing Bench'	GIFT University	Gujranwala	Electrical/Electronics Engineering
306	NGIRI-2023-17564	'SaveE'	GIFT University	Gujranwala	Computer Science
307	NGIRI-2023-17717	'Hybrid Electric Bike '	GIFT University	Gujranwala	Electrical Engineering
308	NGIRI-2023-17743	'Design and development of Three phase Matrix convertor for Variable machine Drive control'	GIFT University	Gujranwala	Electrical/Electronics Engineering
309	NGIRI-2023-17758	'Automatic Vehicle Verification And Parking System'	GIFT University	Gujranwala	Software Engineering
310	NGIRI-2023-17837	'Smart News Portal'	GIFT University	Gujranwala	Software Engineering
311	NGIRI-2023-17891	'The Lost Relic'	GIFT University	Gujranwala	Software Engineering
312	NGIRI-2023-20426	'Mobile Mate'	GIFT University	Gujranwala	Computer Science
313	NGIRI-2023-17250	'intelligent tri energy management system for economic sustainability among solar utility battery'	Gomal University	Main	Electrical Engineering
314	NGIRI-2023-21736	'Smart Wireless Power Transmission for house hold appliances'	Gomal University	Main	Electrical Engineering
315	NGIRI-2023-17015	'Assistive Vision Smart Band'	Government College University	Faisalabad	Information Technology
316	NGIRI-2023-17917	'LoRa Based Smart Control and Monitoring System for Water Turbine and Environment Sensing'	Government College University	Faisalabad	Electrical Engineering
317	NGIRI-2023-17919	'IOT Based UHF Partial Discharge Detector Aiming for Power Equipment Protection'	Government College University	Faisalabad	Electrical Engineering
318	NGIRI-2023-17929	'Smart Shopping Cart for Self Service Checkout Based On IoT Technologies'	Government College University	Faisalabad	Electrical Engineering
319	NGIRI-2023-20239	'Smart First Aid'	Government College University, Hyderabad	Main	Computer Science
320	NGIRI-2023-20244	'AUTOMATED ATTENDENCE MANAGEMENT SYSTEM'	Government College University, Hyderabad	Main	Computer Science
321	NGIRI-2023-20260	'Efficient Speed Tracker For Smart Highways'	Government College University, Hyderabad	Main	Computer Science
322	NGIRI-2023-20291	'Women Safety Device using IoT'	Government College University, Hyderabad	Main	Computer Science
323	NGIRI-2023-16771	'Mapping Road Quality and Affecting environmental parameters on Road Networks in Karachi using IoT'	Habib University	Karachi	Electrical
324	NGIRI-2023-18046	'Effects of baffles design on heat transfer rate on Shall and Tube Heat Exchanger'	Hamdard University	Karachi	Mechanical Engineering
325	NGIRI-2023-18968	'Segregation of Ewaste for metals recovery'	Hamdard University	Karachi	Electrical Engineering
326	NGIRI-2023-18970	'Design and Implementation of 4D Synthetic Human Pulse Generator'	Hamdard University	Karachi	Biomedical Engineering
327	NGIRI-2023-19028	'Indoor Air Quality Monitoring Analysis & Decision support system '	Hamdard University	Karachi	Computer System Engineering
328	NGIRI-2023-20530	'An Enhanced Deep Learning Based Tumor Edge Detection Technique to Improve Spatial and Temporal Resolution for	Hamdard University	Karachi	Biomedical Engineering
329	NGIRI-2023-21017	MR Images ' 'self powered water consumption monitoring and control system'	Hamdard University	Karachi	Computer System Engineering
330	NGIRI-2023-21587	'DESIGNING A SMART OT LIGHT EQUIPPED WITH HIGH-RESOLUTION CAMERAS FOR SHADOW DETECTION'	Hamdard University	Karachi	Biomedical Engineering
331	NGIRI-2023-21769	'e-Bike Battery and Smart Power Management System'	Hamdard University	Karachi	Electrical Engineering
332	NGIRI-2023-22171	'Smart Single Phase Power Factor Improver For Domestic Users '	Hamdard University	Karachi	Electrical Engineering
333	NGIRI-2023-17152	"Water inspection device '	HITEC University	Main	Computer Engineering
334	NGIRI-2023-17203	'Automated Attendance Management System '	HITEC University	Main	Computer Engineering
335	NGIRI-2023-17596	'dual band antenna for health care application'	HITEC University	Main	Electrical Power Engineering
336	NGIRI-2023-17614	'Design and Fabrication of surface texturing machine for creating micro patterns'	HITEC University	Main	Mechanical Engineering
337	NGIRI-2023-17637	'Gunshot Source Localization: An IoT Based Approach.'	HITEC University	Main	Electrical/Electronics Engineering
338	NGIRI-2023-17689	'Crowd Counting Using Drone'	HITEC University	Main	Computer Engineering
339	NGIRI-2023-17694	"Torque Control of Induction Motor using DTC Method"	HITEC University	Main	Electrical Engineering
340	NGIRI-2023-17695	'Home Automation system '	HITEC University	Main	Computer Science
341	NGIRI-2023-17700	'Road Accidental Monitoring System'	HITEC University	Main	Computer Engineering
342	NGIRI-2023-17757	'Power Quality Improvement in Renewable Energy Based microgrid Cluster'	HITEC University	Main	Electrical
343	NGIRI-2023-17810	'Mathematical Modeling and control of magnetic levitation system using fuzzy logic '	HITEC University	Main	Electrical Engineering
344	NGIRI-2023-17834	"Estimation of the Electric Vehicle battery state of health algorithm based on machine learning"	HITEC University	Main	Electrical Engineering
345	NGIRI-2023-18124	'Design and Fabrication of Ion Propulsion Aircraft'	HITEC University	Main	Mechanical Engineering
346	NGIRI-2023-18181	'RF Energy Harvesting System'	HITEC University	Main	Electrical Engineering
347	NGIRI-2023-18197	'Flood Rescue Simulator'	HITEC University	Main	Computer Science
348	NGIRI-2023-18214		HITEC University	Main	Mechanical Engineering
349	NGIRI-2023-18319	'3D virtual Tour of University'	HITEC University	Main	Computer Science
350	NGIRI-2023-18365	'Online Blood Donation System'	HITEC University	Main	Computer Science
351	NGIRI-2023-18446	'IOT Based Industrial Monitoring System'	HITEC University	Main	Electrical Power Engineering
352	NGIRI-2023-18461	101 based industrial workdomig System  'Power sharing in hybrid microgrid cluster'	HITEC University	Main	Electrical Fower Engineering
353	NGIRI-2023-18801 NGIRI-2023-19779	'Exercise Pose Detection and Auto-correction Using Machine Learning'	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science
354	NGIRI-2023-19779	'Smart Suitcase Using Arduino '	ILMA University, formerly institute of Business & Technology (IBT)	Main	Computer System
355		'Smart Suitcase Using Arouino ' 'Bricklaying Robot'		Main	
356	NGIRI-2023-20064 NGIRI-2023-20090		ILMA University, formerly Institute of Business & Technology (IBT)		Software Engineering
356	NGIRI-2023-20090 NGIRI-2023-20240	"Under Water wireless motion detection via camera for surveillance "	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science
357	NGIRI-2023-20240 NGIRI-2023-20600	'Handheld Inkjet Printer'  'Cottiniarion of Engru Consumption with Integrated Controlling System'	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science
		'Optimization of Energy Consumption with Integrated Controlling System'  'Design and Modeling Of Cabin Ejection Prototype For Aircraft Passenger Safety Using IOT and Advance Softwares	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science
359	NGIRI-2023-17050	Simulation'	Indus University	Karachi	Electrical Engineering
360	NGIRI-2023-17123	Cellular Network Based Anti-Theft and Speed Controlled Accident Prevention System for E-Bikes	Indus University	Karachi	Electronics

#	FYP Code	FYP Title	University	Campus	Department
361	NGIRI-2023-17745	'IOT BASED SMART AGRICULTURE MONITORING SYSTEM'	Indus University	Karachi	Computer Science & IT
362	NGIRI-2023-17753	'Target acquisition, Elimination and Surveillance Security Vehicle'	Indus University	Karachi	Computer Science
363	NGIRI-2023-18075	'SMD REFLOW SOLDERING OVEN'	Indus University	Karachi	Electrical Power Engineering
364	NGIRI-2023-18130	'Iot based Cattle health monitoring system '	Indus University	Karachi	Computer Science
365	NGIRI-2023-18392	'Industry Applications Oriented IoT Based Embedded System Trainer with External I/O Interfacing Features	Indus University	Karachi	Electrical
366	NGIRI-2023-18396	'IoT Based Embedded Systems Trainer for Industrial Exposure using Arduino Mega '	Indus University	Karachi	Science & Technology
367	NGIRI-2023-18491	'Snatch secure mobile tracing App Based on augmented reality'	Indus University	Karachi	Software Engineering
368	NGIRI-2023-18496	'Design and Fabrication of CNC Plotter machine and also improve the bed movement Two axis'	Indus University	Karachi	Science & Technology
369	NGIRI-2023-18506	'Fabrication and design CNC Machine'	Indus University	Karachi	Science & Technology
370	NGIRI-2023-18509	'Design and development of One eighty Degree sun tracker solar panel system'	Indus University	Karachi	Science & Technology
371	NGIRI-2023-18567	'Interior Design App based on Augmented Reality '	Indus University	Karachi	Computer Science & IT
372	NGIRI-2023-18711	'IOT BASED SMART ENERGY METERING SYSTEM'	Indus University	Karachi	Computer Science & IT
373	NGIRI-2023-18810	'Smart Gloves for disable person'	Indus University	Karachi	Computer Science
374	NGIRI-2023-18892	Cost Effective Solution Provided for SMEs for Heavy Duty Motor Operations	Indus University	Karachi	Electrical Engineering
375	NGIRI-2023-18926	'PLC and IOT trainer'	Indus University	Karachi	Electrical
376	NGIRI-2023-19078	'ANTI-COLLISON AND DISTANCE ESTIMATION SYSTEM FOR VEHICLES DURING FOGGY WEATHER'	Indus University	Karachi	Electrical
377	NGIRI-2023-19179	'Hand Gloves Speech Conversion for paralysis person '	Indus University	Karachi	Electrical
378	NGIRI-2023-19398	'E tongue taste sensor for quality analysis using machine learning'	Indus University	Karachi	Electrical Engineering
379	NGIRI-2023-19433	'Embedded System Based Packaging and Filling Machine'	Indus University	Karachi	Electrical Engineering
380	NGIRI-2023-20877	'Design and Fabrication of steam power plant powered by saw dust waste'	Indus University	Karachi	Mechanical Engineering
381	NGIRI-2023-20901	'Raspberry PI Based Embedded System Trainer for Industry Application Through IoT'	Indus University	Karachi	Electrical/Electronics Engineering
382	NGIRI-2023-20918	Smart IoT based embedded systems trainer for understanding the industrial application by using Arduino Mega  Design and analyze the IOT based investigation the behavior of bio gas production from organic waste by anaerobic	Indus University	Karachi	Electrical/Electronics Engineering
383	NGIRI-2023-20958	digestion '	Indus University	Karachi	Mechanical Engineering
384	NGIRI-2023-22487	'Real-time Fruit Quality Recognition'	Indus University	Karachi	Computing and Technology
385	NGIRI-2023-20398	'Autonomous solar panel cleaning robot'	Information Technology University	Lahore	Electrical Engineering
386	NGIRI-2023-21008	'Alter Companion Tracking Rig'	Information Technology University	Lahore	Computer Science
387	NGIRI-2023-21397	'Smart Solar Powered Grass Cutter and Plant Sprayer'	Information Technology University	Lahore	Electrical Engineering
388	NGIRI-2023-21763	'Design and Development of an Indoor Air Purifier'	Information Technology University	Lahore	Electrical Engineering
389	NGIRI-2023-17712	'Design and development of smart energy meter with cyber security'	Institute of Industrial Electronics Engineering	Main	Industrial Electronics
390	NGIRI-2023-17744 NGIRI-2023-17748	'Al Assisted Smart Monitoring & Control System for Hybrid Electric Motorbike'	Institute of Industrial Electronics Engineering	Main	Industrial Electronics Industrial Electronics
392	NGIRI-2023-17746 NGIRI-2023-17806	'Intelligent Stethoscope'  'DEVEOPLMENT OF ELECTRONIC SKIN BASED ON ARTIFICIAL INTELLIGENCE'	Institute of Industrial Electronics Engineering  Institute of Industrial Electronics Engineering	Main	Industrial Electronics
393	NGIRI-2023-16799	Vibrational and Structural Analysis of Omni-Directional Anemocone '	Institute of Space Technology	Islamabad	Mechanical Engineering
394	NGIRI-2023-16919	'Design and Fabricate an Automatic Landing Control System for an MLS installed on Quadcopter'	Institute of Space Technology	Islamabad	Avionics Engineering
395	NGIRI-2023-17216	'Low Cost Plastic Shredder for Recycling Purpose'	Institute of Space Technology	Islamabad	Mechanical Engineering
396	NGIRI-2023-17240	'Design & Fabrication of an Autonomous Caged Quadcopter.'	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering
397	NGIRI-2023-17285	'Module Design utilizing image processing and data acquisition for Asset monitoring using drones'	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering
398	NGIRI-2023-17579	'Design and Development of 3 DOF Forward Moving Coaxial Helicopter Platform for Flight Controls'	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering
399	NGIRI-2023-17721	'Digital Image processing and AI based drowsiness and fatigue detection to avoid road accidents'	Institute of Space Technology	Islamabad	Avionics Engineering
400	NGIRI-2023-17732	'Anti Malware Keylogger based Hardware System'	Institute of Space Technology	Islamabad	Electrical/Electronics Engineering
401	NGIRI-2023-17966	'Design and Analysis of Rotary ECMO Device'	Institute of Space Technology	Islamabad	Mechanical Engineering
402	NGIRI-2023-18739	'Smart Device for Visually Impaired Individuals'	Institute of Space Technology	Islamabad	Electrical Engineering
403	NGIRI-2023-18805	"Three D Food Processing System"	Institute of Space Technology	Islamabad	Electrical Engineering
404	NGIRI-2023-19813	'Coalition formation of multiple UAV\'s to search and destroy dynamic targets in uncertain environment'	Institute of Space Technology	Islamabad	Electrical Engineering
405	NGIRI-2023-19822	'AGRI IOT (Ripening Chamber)'	Institute of Space Technology	Islamabad	Electrical Engineering
406	NGIRI-2023-19947	'Target Location and Identification amongst finite set of target using FMCW Radar'	Institute of Space Technology	Islamabad	Avionics Engineering
407	NGIRI-2023-20475	'Aerodynamics Analysis of Lift and Drag forces produced over winglets mounted airfoils used in aerial vehicles'	Institute of Space Technology	Islamabad	Mechanical Engineering
408	NGIRI-2023-20512	'Design and fabrication of SG antenna'	Institute of Space Technology	Islamabad	Avionics Engineering
409	NGIRI-2023-21387	'Xanthan / bio active glass/ ginger based composite coating on 3d dental implant of stainless steel 316 low carbon by EPD method'	Institute of Space Technology	Islamabad	Biomedical Engineering
410	NGIRI-2023-21430	'Control System Design For High Speed VTOL UAV Using Thrust Vectoring'	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering
411	NGIRI-2023-19399	Electronic Voting Machine	Institute of Space Technology	KICSIT	Computer Engineering
412	NGIRI-2023-20049	'Automatic Target Recognition by Robotic Arm'	Institute of Space Technology	KICSIT	Computer Engineering
413	NGIRI-2023-20229	'AI BASED SELF-DRIVING CAR'	Institute of Space Technology	KICSIT	Computer Engineering
414	NGIRI-2023-20583	'Real Time 3-D Panoramic view generation'	Institute of Space Technology	KICSIT	Computer Engineering
415	NGIRI-2023-20743	'Smart Diabetic care sensor'	Institute of Space Technology	KICSIT	Computer Science
416	NGIRI-2023-21671	'Traffic Vision'	Institute of Space Technology	KICSIT	Computer Science
417	NGIRI-2023-21675	'Game Controller using Hand Gesture'	Institute of Space Technology	KICSIT	Computer Science
418	NGIRI-2023-21799	'Indigenous IOT based Robotic Gun'	Institute of Space Technology	KICSIT	Computer Science
419	NGIRI-2023-21973	'CTI Based IDPS on Cloud Computing Environment'	Institute of Space Technology	KICSIT	Computer System
420	NGIRI-2023-18328	'Production of Biodiesel from Waste Cooking Oil'	International Islamic University	Islamabad	Mechanical Engineering

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421	NGIRI-2023-18941	'Production of Liquid Fuel from plastic waste using Pyrolysis'	International Islamic University	Islamabad	Mechanical Engineering
422	NGIRI-2023-19358	'Design and Fabrication of Multi-Purpose Mining Robot with Rocker-Bogie Suspension System'	International Islamic University	Islamabad	Mechanical Engineering
423	NGIRI-2023-19504	'Smart Automated Irrigation and Plant Disease Detection System '	International Islamic University	Islamabad	Electrical
424	NGIRI-2023-19540	'GSM Based Hazerds Gases Detection and Safety System for Automobile '	International Islamic University	Islamabad	Electrical Engineering
425	NGIRI-2023-19586	'Design and Implementation of A Solar Inverter with Mobile App for Monitoring '	International Islamic University	Islamabad	Electrical Engineering
426	NGIRI-2023-19589	'IOT Based Smart Agriculture Monitoring System'	International Islamic University	Islamabad	Electrical Engineering
427	NGIRI-2023-21436	'à€œGREENV: \"Green & Healthy Environment through Minimizing Carbon Contaminants by Exhaust Gasesà€œ'	International Islamic University	Islamabad	Mechanical Engineering
428	NGIRI-2023-16856	'Cost Effective Smart Hydroponic Monitoring and Controlling System Using Internet of Things'	Iqra National University	Main	Electrical Engineering
429	NGIRI-2023-16860	'Design and Implementation of a Micro-inverter for PV Applications'	Iqra National University	Main	Electrical Engineering
430	NGIRI-2023-16861	'Design and Implementation of Multilevel Inverter for Industrial Applications'	Iqra National University	Main	Electrical Engineering
431	NGIRI-2023-19671	'AgriDroneFarming Implementation of Pest Control and Yield Prediction in Precision Agriculture using Drone Technology'	Iqra National University	Main	Computer Science
432	NGIRI-2023-16783	'Volt Wheels '	Iqra University	Islamabad	Computer Science & IT
433	NGIRI-2023-18196	'MediBot'	Iqra University	Islamabad	Computer Science
434	NGIRI-2023-18330	'G.I.F.S(Green Irrigation and fertilization system)'	Iqra University	Islamabad	Computer Science
435	NGIRI-2023-18386	'Smart Parking'	Iqra University	Islamabad	Computer Science
436	NGIRI-2023-22640	'house automation using voice commands'	Iqra University	Islamabad	Computer Science
437	NGIRI-2023-18533	'ETrolley'	Iqra University	Main	Software Engineering
438	NGIRI-2023-18555	'Single Moving Target Tracking and Locking in 3D Space'	Iqra University	Main	Computer Science
439	NGIRI-2023-18915	'A comprehensive Open Source Simulation Framework for LIFI Communication'	Iqra University	Main	Telecom Engineering
440	NGIRI-2023-18920	'Electrical Bike '	Igra University	Main	Electrical Engineering
441	NGIRI-2023-18924	'Voltage Control of Single Phase PWM Inverter and power Sharing in AC Micro Grids'	Iqra University	Main	Electrical Engineering
442	NGIRI-2023-18976	'IOT based Green House monitoring and control system '	Iqra University	Main	Engineering and Sciences
443	NGIRI-2023-18979	'RASPBERRY PIE BASED ADAPTIVE STRATIGIES FOR OVER CURRENT RELAY OPTIMIZATION'	Iqra University	Main	Electronics Engineeering
444	NGIRI-2023-19203	'Artificial Intelligence Based and controlled smart agricultural field '	Iqra University	Main	Computer Science
445	NGIRI-2023-20280	'Smart Wheel Chair with Health Monitoring'	Iqra University	Main	Electrical Engineering
446	NGIRI-2023-20938	'7 DOF of Robotic Arm using AI'	Iqra University	Main	Computer Engineering
-	NGIRI-2023-20955	'Smart Fire Extinguisher'	Iqra University	Main	Computer Science
448	NGIRI-2023-21104	'Virtual Reality Cycle'	Iqra University	Main	Computer Science
449	NGIRI-2023-21327	'POWER GRID FAILURE DETECTION BASED ON VOLTAGE AND FREQUENCY VARIANCE DETECTION'	Iqra University	Main	Electrical Engineering
450	NGIRI-2023-21386	'Machine and Energy Monitoring System through Siemens based SCADA'	Igra University	Main	Electronics
	NGIRI-2023-22521	'Easy Math for kids learning using Augmented Reality'	Islamia College Peshawar	Main	Computer Science
452	NGIRI-2023-23134	'Smart Agriculture'	Islamia College Peshawar	Main	Computer Science
	NGIRI-2023-18388 NGIRI-2023-20169	'Design of IoT based Autonomous Vehicle System using AI and Control Systems'	Isra University	Hyderabad	Electrical Engineering
454 455	NGIRI-2023-20169 NGIRI-2023-20204	'IOT BASED OVER VOLTAGE/UNDER VOLTAGE LOAD PROTECTION DEVICE'	Isra University	Hyderabad	Electrical Engineering
	NGIRI-2023-20204 NGIRI-2023-20637	"IOT based transformer health monitoring system"	Isra University	Hyderabad	Electrical Engineering Electrical Engineering
457	NGIRI-2023-20037	'Smart Domestic Electricity theft detection and Avoindance system'  'Smart green house lot based with Drip irrigation system'	Isra University  Isra University	Hyderabad Hyderabad	Engineering and Sciences
	NGIRI-2023-18184	DA©cor Envision	Jinnah University for Women	Karachi	Computer Science
	NGIRI-2023-18723	Seniors Go Digital	Jinnah University for Women	Karachi	Computer Science
	NGIRI-2023-18724	Business Hub	Jinnah University for Women	Karachi	Computer Science
461	NGIRI-2023-18727	Hayya Alal Falah	Jinnah University for Women	Karachi	Software Engineering
	NGIRI-2023-18806	MindRaise	Jinnah University for Women	Karachi	Software Engineering
463	NGIRI-2023-18807	BrainSpolek	Jinnah University for Women	Karachi	Software Engineering
464	NGIRI-2023-19190	E-Active Workplace	Jinnah University for Women	Karachi	Computer Science
-	NGIRI-2023-19195	OCD-ESCAPE	Jinnah University for Women	Karachi	Software Engineering
466	NGIRI-2023-16684	'SAHF Sentiment Analysis of Human Face using CCTV Camera'	Khawaja Fareed University of Engineering and Information	Main	Computer Engineering
	NGIRI-2023-16701	"Numerical Investigation of Flow Characteristics in an Open Channel in the Presence of Floating Vegetation Islands [FVIS]"	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Engineering and Sciences
468	NGIRI-2023-17091	(FVIs)' 'lot based Smart Medicine Cold Storage box'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Software Engineering
469	NGIRI-2023-17092	"Temperature Based Fan Control"	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Computer & Information System Engineering
470	NGIRI-2023-17093	'Automatic Bottle filling machine'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Computer & Information System Engineering
471	NGIRI-2023-17176	'UV visible nanodrop spectrometer'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Information & Communication Technology
472	NGIRI-2023-17438	'Design and development of solar operated seed planter '	Khawaja Fareed University of Engineering and Information Technology	Main	Science & Technology
473	NGIRI-2023-17503	'Performance Analysis of Concentrated PVT using Fresnel lens with solar tracking'	Khawaja Fareed University of Engineering and Information Technology	Main	Mechanical Engineering
474	NGIRI-2023-17505	'IOT Based Smart Automatic Oil Filling Bottle Machine'	Khawaja Fareed University of Engineering and Information Technology	Main	Computer & Information System Engineering
475	NGIRI-2023-17509	"IOT based sensor to monitor the climate change effect"	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science & IT
476	NGIRI-2023-17511	'Artificial inteligence based indigineous Rain detector'	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science & IT
477	NGIRI-2023-17516	'Computing based smart sensor for health prediction'	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science & IT
4//			Khawaja Fareed University of Engineering and Information		
-	NGIRI-2023-17517	'IOT based standing waves generator'	Technology	Main	Computer Science & IT
	NGIRI-2023-17517 NGIRI-2023-17553	'IOT based standing waves generator'  'ADVANCE AUTONOMOUS THERMAL DRONE'		Main	Computer Science & IT  Computer Engineering

#	FYP Code	FYP Title	University	Campus	Department
481	NGIRI-2023-17638	'IOT Botnet Attack Detection '	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science
482	NGIRI-2023-17725	'Ink production from air pollution using IoT'	Khawaja Fareed University of Engineering and Information Technology	Main	Science & Technology
483	NGIRI-2023-17841	'Hyperspectral imaging based oil adulterantion detection and classification using machine learning techniques'	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering
484	NGIRI-2023-17869	'lot base Self-burying robot'	Khawaja Fareed University of Engineering and Information	Main	Mechanical Engineering
485	NGIRI-2023-17921	'IoT based Emergency Ventilator and Patient monitoring system'	Technology  Khawaja Fareed University of Engineering and Information	Main	Engineering and Sciences
486	NGIRI-2023-18154	'IOT Based Waste Management'	Technology  Khawaja Fareed University of Engineering and Information	Main	Software Engineering
487	NGIRI-2023-18710	'Al-Powered Camera System for Accurate Detection of Crop Diseases Using Visual Symptoms Analysis'	Technology  Khawaja Fareed University of Engineering and Information	Main	Computer Science
488	NGIRI-2023-18889	'Smart Energy Management System'	Technology  Khawaja Fareed University of Engineering and Information	Main	Management and Information Sciences
489	NGIRI-2023-19029	'Development of high efficient and cost effective vegetable oil for the insulation of power transformer'	Technology  Khawaja Fareed University of Engineering and Information	Main	Electrical Engineering
490	NGIRI-2023-19661	'Vehicle identification and security system '	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Software Engineering
491	NGIRI-2023-19707	'Smart Tunnel Farming '	Khawaja Fareed University of Engineering and Information	Main	Computer Engineering
492	NGIRI-2023-19794	'Role of AI for Environmental protection at Rahim Yar Khan'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Engineering and Sciences
493	NGIRI-2023-19964	'Production of 100 tons crude terephthalate acid using rice straws'	Khawaja Fareed University of Engineering and Information Technology	Main	Engineering and Sciences
494	NGIRI-2023-20739	'Development of Epoxy Based Nano-particles Solid Material for the Application of High Voltage Insulators'	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering
495	NGIRI-2023-21419	'Drying Uniformity Enhancement in solar fruit Dryer'	Khawaja Fareed University of Engineering and Information	Main	Mechanical Engineering
496	NGIRI-2023-21597	'Design & Construction of 2 by 2 Microstrip patch Antenna for RF energy Harvesting System.'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering
497	NGIRI-2023-21602	'WIRELESS POWER CHARGER'	Khawaja Fareed University of Engineering and Information	Main	Electrical
498	NGIRI-2023-21643	'Solar base TDS control of water through electrolysis'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering
499	NGIRI-2023-21918	'Kfueit grievances portal'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science
500	NGIRI-2023-21948	'Hostel Finder'	Technology  Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science
501	NGIRI-2023-17058	'Garbage Monitoring System Using Social Internet of Things (SIoT) In Smart Communities'	Khushal Khan Khattak University	Karak	Computer Science
502	NGIRI-2023-17172	'An andriod mood based music application.'	Lahore College for Women University	Lahore	Computer Science
503	NGIRI-2023-17210	'An Android based application for Identification of plants and their Diseases'	Lahore College for Women University	Lahore	Computer Science
504	NGIRI-2023-17539	'lot based Load Management System '	Lahore College for Women University	Lahore	Electrical Engineering
505	NGIRI-2023-18073	'A Waterlogging Tolerance Estimation Application By Using Drone And Deep Learning Techniques'	Lahore College for Women University	Lahore	Computer Science
506	NGIRI-2023-18373	'AN INTELLIGENT ROAD ACCIDENT INJURY CLASSIFICATION AND RESCUE ALERT SYSTEM BY USING DEEP LEARNING TECHNIQUES'	Lahore College for Women University	Lahore	Computer Science
507	NGIRI-2023-19232	'3D Restaurant Reservation Service With Blockchain '	Lahore Garrison University	Main	Software Engineering
508	NGIRI-2023-20301	'Criminal Detection system '	Lahore Garrison University	Main	Software Engineering
509	NGIRI-2023-20560	'Smart Aquaponic Farm'	Lahore Garrison University	Main	Software Engineering
510	NGIRI-2023-20613	'Thesis on power reduction of GPU using Optimization models.'	Lahore Garrison University	Main	Computer Science
511	NGIRI-2023-20772	'Sports Three Hundred and Sixty'	Lahore Garrison University	Main	Software Engineering
512	NGIRI-2023-20887	'GSM based IoT Solution for Automation Systems'	Lahore Garrison University	Main	Computer Science & IT
513	NGIRI-2023-20896	'Sign Language To Speech Conversion Via Smart Glove For Deaf and Dumb'	Lahore Garrison University	Main	Computer Science & IT
514	NGIRI-2023-20914	'Smart Esophageal Cancer detection using Transfer Learning'	Lahore Garrison University	Main	Information Technology
515	NGIRI-2023-20923	'Digital parking system based on iot '	Lahore Garrison University	Main	Information Technology
516	NGIRI-2023-20935	'Automated Rob Firefighter'	Lahore Garrison University	Main	Computer Science & IT
517	NGIRI-2023-20997	'Deep learning Model to Analyze psychological effects on Gamers'	Lahore Garrison University	Main	Information Technology
518	NGIRI-2023-21012	'Smart AQUAPONIC FARM '	Lahore Garrison University	Main	Information Technology
519	NGIRI-2023-21458	'Smart parking System'	Lahore Garrison University	Main	Computer Science
520	NGIRI-2023-22138	'Detection of Invasive Ductal Carcinoma (IDC)'	Lahore Garrison University	Main	Computer Science
521	NGIRI-2023-22462	'Ensemble Learning based approaches for depression detection'	Lahore Garrison University	Main	Computer System
522	NGIRI-2023-17134	'DESIGN OF 1-KW SINGLE PHASE SOLAR & GRID TIE HYBRID INVERTER'	Lahore Leads University	Main	Electrical
523	NGIRI-2023-18930	Monitor Driver's Facial Expression to detect Drowsiness and Yawning to avoid road accidents using Image Processing	Lahore Leads University	Main	Electrical Engineering
524	NGIRI-2023-22594	'Real time hand gesture recognition and voice conversion for deaf and dumb person'	Lahore Leads University	Main	Electrical Engineering
525	NGIRI-2023-17020	'INTELLIGENT LITHIUM-ION BATTERY MANAGEMENT SYSTEM'	Lahore University of Management Sciences	Lahore	Electrical Engineering
526	NGIRI-2023-17025	'Investigating the Anti-survival and Pro-survival Role of Autophagy in Cancer Progression'	Lahore University of Management Sciences	Lahore	Bio-Informatics
527	NGIRI-2023-17267	'Optimization of Power Electronics Circuits Using Machine Learning'	Lahore University of Management Sciences	Lahore	Electrical Engineering
528	NGIRI-2023-17368	'smart pills alert and dispensing system'	Liaquat University of Medical and Health Sciences	Main	Biomedical Engineering
529	NGIRI-2023-17567	'Monitoring system for comatose patients'	Liaquat University of Medical and Health Sciences	Main	Biomedical Engineering
530	NGIRI-2023-17659	'Eyeball movement controlled text and speech based remote interpreter for quadriplegic patients '	Liaquat University of Medical and Health Sciences	Main	Biomedical Engineering
531	NGIRI-2023-18220	'Patient controlled analgesic infusion pump'	Liaquat University of Medical and Health Sciences	Main	Biomedical Engineering
532	NGIRI-2023-16976	'VR haptic Gloves'	Mehran University of Engineering & Technology	Jamshoro	Computer System
533	NGIRI-2023-17019	'Speech Emotion Recognition for Pakistani Accented English '	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering
534	NGIRI-2023-17256	'Design and Development of Soft Robotics Gripper for Dexterous Grasping'	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering
	NGIRI-2023-17288	'Light Weight Drone'	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering
535			Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering
535 536	NGIRI-2023-17643	'Gesture controlled robotic wheelchair '	meman oniversity or engineering at recimology		
	NGIRI-2023-17643 NGIRI-2023-17652	'Gesture controlled robotic wheelchair '  SMART ACOUSTICAL EYE FOR VISUALLY IMPAIRED '	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering
536				Jamshoro Jamshoro	Computer System Engineering  Biomedical Engineering
536	NGIRI-2023-17652	SMART ACOUSTICAL EYE FOR VISUALLY IMPAIRED 1	Mehran University of Engineering & Technology		

#	FYP Code	FYP Title	University	Campus	Department
541	NGIRI-2023-18546	'Green IoT An IoT Based Urban Vegetation Application'	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering
542	NGIRI-2023-18621	'CPAP and Bi-PAP therapy mask'	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering
543	NGIRI-2023-18798	'Non Invasive Glucose Monitoring Using Breath Analysis With Recommandation System'	Mehran University of Engineering & Technology	Jamshoro	Computer System
544	NGIRI-2023-18829	'Augmented Reality Based Outdoor Navigation Application'	Mehran University of Engineering & Technology	Jamshoro	Computer Science
545	NGIRI-2023-18864	'Signify'	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering
546	NGIRI-2023-18966	'Development of Smart Syringe Infusion Device for Healthcare'	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineeering
547	NGIRI-2023-19457	'Smart Health Monitering System of Distribution Transformer'	Mehran University of Engineering & Technology	Jamshoro	Electrical
548	NGIRI-2023-19575	'Hybrid Driver Drowsiness Detection '	Mehran University of Engineering & Technology	Jamshoro	Computer Science
549	NGIRI-2023-19588	'Automatic fire extinguishing and monitoring system for industry propose.'	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineeering
550	NGIRI-2023-19624	'DESIGN OF DUAL AXIS SOLAR SUNFLOWER TRACKING MODEL'	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering
551	NGIRI-2023-19651	'Machine Learning Based Violence Detection and Alarm System For Safe Urban Environment'	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering
552	NGIRI-2023-19845	'Smart Contract Development for Agriculture-estate'	Mehran University of Engineering & Technology	Jamshoro	Computer Science
553	NGIRI-2023-19910	'DESIGN AND DEVELOPMENT OF SMART ROBOTIC SYSTEM FOR CLEANING &TRACKING OF SOLAR PV PANEL'	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering
554	NGIRI-2023-19921	'Artificial Brain Motor movement and Visual Learning'	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineeering
555	NGIRI-2023-19985	'Identifying real tweets and images regarding disaster'	Mehran University of Engineering & Technology	Jamshoro	Computer Science
556	NGIRI-2023-20045	'Design and development of smart ventilator'	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering
557	NGIRI-2023-20051	'Development of real time smart glove for deaf people'	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering
558	NGIRI-2023-20599	'Design and development of CNC PCB milling machine'	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering
559	NGIRI-2023-21232	'Design of an Electric Quad cycle '	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering
560	NGIRI-2023-21290	'Design of mould for fabrication of helical two bladed vertical axis wind turbine'	Mehran University of Engineering & Technology	Jamshoro	Mechanical Engineering
561	NGIRI-2023-21424	'Indoor Air purifier and Air Quality Monitoring system'	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineeering
562	NGIRI-2023-21536	'Malaria disease detecting application'	Mehran University of Engineering & Technology	Jamshoro	Computer Engineering
563	NGIRI-2023-21632	'Development of Non Invasive Prosthesis for Transradial Amputation '	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering
564	NGIRI-2023-21762	'PERFORMANCE ENHANCEMENT OF SOLAR PHOTOVOLTAIC CELL BY USING MIST GENERATION SYSTEM'	Mehran University of Engineering & Technology	Jamshoro	Mechanical Engineering
565	NGIRI-2023-16950	'Design And Fabrication of Direct Contact Membrane Distillation DC MD System'	Mehran University of Engineering & Technology	Khairpur	Mechanical Engineering
566	NGIRI-2023-17351	'A prototype design of Solarized Water Purifier System'	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering
567	NGIRI-2023-18004	'An intelligent frequency control scheme at inverter station in HVDC Transmission System'	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering
568	NGIRI-2023-21373	'Development and Deployment of Hybrid Renewable Energy Systems with Energy Storage for Rural Electrification In Pakistan'	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering
	NGIRI-2023-21614	'Electronic Voting system '	Mehran University of Engineering & Technology	Khairpur	Software Engineering
$\vdash$	NGIRI-2023-21887	'A COMPARATIVE STUDY AND PERFORMANCE ANALYSIS OF DIFFERENT MPPT ALGORITHMS FOR SOLAR PV SYSTEM'	Mehran University of Engineering & Technology	Khairpur	Electrical
	NGIRI-2023-22220	Design and implementation of real time drowsiness and yawn detection system to control accident'	Mehran University of Engineering & Technology	Khairpur	Electronics Engineeering
572	NGIRI-2023-22592 NGIRI-2023-19250	"Explore Pakistan \"The ultimate tourist guide app\"	Mehran University of Engineering & Technology	Khairpur	Software Engineering
		'Intuitive Gesture Control System in Smart Gaming'	Minhaj University	Main	Computer Science
574	NGIRI-2023-19252 NGIRI-2023-19253	'Intelligent Face Detection Attendance System'	Minhaj University	Main	Computer Science
	NGIRI-2023-19254	'Smart Laser Security System For Robust Threat Mitigation'	Minhaj University	Main	Computer Science
577	NGIRI-2023-19254 NGIRI-2023-19550	'Intelligent Room Light Controller for Enhanced illumination'  'Smart Irrigation System'	Minhaj University  Minhaj University	Main	Computer Science Information Technology
	NGIRI-2023-19551	'Room Automation System'	Minhai University	Main	Computer Science & IT
	NGIRI-2023-19611	'Raspberry Based Intelligent Quadcopter Controller'	Minhaj University	Main	Information Technology
$\vdash$	NGIRI-2023-16681	'Al based Multi-Criterion Association in Software Defined Wi-Fi Networks'	Mirpur University of Science and Technology (MUST)	Mirpur	Telecommunication & Networking
581	NGIRI-2023-17836	'real time feedback'	Mirpur University of Science and Technology (MUST)	Mirpur	Software Engineering
$\vdash$	NGIRI-2023-17880	'Real time attendance system using face recognition '	Mirpur University of Science and Technology (MUST)	Mirpur	Software Engineering
583	NGIRI-2023-18106	'The Novel Thyroid disease prediction using Machine learning'	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering
	NGIRI-2023-18119	'An Interactive Computer System with gesture based mouse and keyboard'	Mirpur University of Science and Technology (MUST)	Mirpur	Software Engineering
	NGIRI-2023-21096	'Artificial Intelligence Based Performance Optimization of Solar Energy Systems'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering
586	NGIRI-2023-21112	'Smart waste management system based on lot'	Mirpur University of Science and Technology (MUST)	Mirpur	Software Engineering
587	NGIRI-2023-21764	'Appliances health monitoring system for predictive maintenance '	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering
588	NGIRI-2023-21785	'Face Recognization Based Attendance using Esp 32, RFID System and Temperature Scanner'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering
589	NGIRI-2023-21810	'IOT based Weather and Air Quality monitoring system'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering
590	NGIRI-2023-21923	'Non intrusive load monitoring system for real time domestic appliances detection.'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering
591	NGIRI-2023-21933	'Domestic Animals Tracking System Using NRF and GPS'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering
592	NGIRI-2023-21999	'IOT Based Transferomer Health Monitoring System'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering
593	NGIRI-2023-22101	'Arduino Based Underground Cable Fault Detection System'	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical
594	NGIRI-2023-22631	'Object Detection and Warning System Visually Impaired People '	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering
595	NGIRI-2023-22851	'Real Time Voice Password Based Home Automation'	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering
596	NGIRI-2023-22852	'Non-Invasive Blood Glucose Monitor (NIGMO)'	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering
597	NGIRI-2023-19602	'Development of IOT based Monitoring Network for Maize Crop Yield'	MNS University of Agriculture, Multan	Main	Engineering and Sciences
598	NGIRI-2023-19786	'Compact Indoor Farming System '	MNS University of Agriculture, Multan	Main	Science & Technology
			MNS University of Agriculture, Multan		
599	NGIRI-2023-20029	'Blood Donation Mobile Application'	initis oniversity of Agriculture, multur	Main	Computer Science

Mode   Mode 2023-20204   All Stated Realthine Accident detection and Aferting systems**   Mode   Mode 2023-20205   Security of Agriculture, Multan   Mode   Mode 2023-20205   Security of Agriculture, Multan   Mode   Mode 2023-202064   Security of Agriculture, Multan   Mode   Mode 2023-202067   Autonomous care price region modules**   Mode 2023-202064   Mode 2023-20207   Security of Agriculture, Multan   Mode   Mode 2023-20207   Mode Progress Teaching System* or crops and plants*   Mode 2023-2023-2023   Mode Progress Teaching System* or crops and plants*   Mode 2023-2023-2023   Mode Progress Teaching System* or crops and plants*   Mode 2023-2023-2023   Mode Progress Teaching System*   Mode 2023-2023-2023   Mode 2023-2023-2023   Mode Progress Teaching System*   Mode 2023-2023-2023   Mode 2023-2023-20	Computer System Engineering Computer Engineering Computer Science Computer System Engineering Computer System Computer Science & IT Computer Science Computer Science Computer Science Computer Science Computer Science Computer Science
South 2012-2025   Simult libity cradle and monitoring system*   Monitoring System*   Monitoring of Agriculture, Multan   Main	Computer Science Computer System Engineering Computer System Computer Science & IT Computer Science & IT Computer Science Computer Science Computer Science
North 2023-20054   Smart 30 Study   Marie Studentsky of agriculture, Multian   Marie	Computer System Engineering Computer System Computer Science & IT Computer Science & IT Computer Science Computer Science
Miles 2023-2079   Autonomous care perception models)	Computer System  Computer Science & IT  Computer Science & IT  Computer Science  Computer Science
Molifie-2023-20200   Green Sense Real Time monotoning systems for crops and pilents'	Computer Science & IT  Computer Science & IT  Computer Science  Computer Science
NOTIN 2003-2023-2039 NOTIN 2003-2023-2039 NOTIN 2003-2023-2039 NOTIN 2003-2023-2039 NOTIN 2003-2023-2039 NOTIN 2003-2023-2036 NOTIN 2003-2023-2037 NOTIN 2003-2023-2036 NOTIN 2003-2023-2037 NOTIN 200	Computer Science & IT  Computer Science  Computer Science
Real-Time Smart Animal Health Monitoring System*   MMS University of Agriculture, Multian   Main	Computer Science Computer Science
Habit Notini 2023-2039  Habit Monitorine's System'  Anti Sleep Alarm Glasses For Driver'  Antis University Of Agriculture, Multan  Main  612 NGIR-2023-25932  Development of IOT Based Incubator for Egg hatching'  Antis Glasses Glas	Computer Science
Nollis-2023-252526 And Sleep Alarm Glasses For Driver* Mils University of Agriculture, Multan Main Nollis-2023-252672 Vee Pharmapedia Palistatin* Mils Mils University of Agriculture, Multan Main Nollis-2023-252672 Vee Pharmapedia Palistatin* Mils Mils University of Agriculture, Multan Main Nollis-2023-252672 Development of IOT based incubator for Egg hatching* Mils Mils Wils University of Agriculture, Multan Main Nollis-2023-252672 Development of IOT based incubator for Egg hatching* Mils Mils University of Agriculture, Multan Main Nollis-2023-252672 Smart Controlled Chamber for Plant Growth and Health Monitoring* Mohammad All Jinnah University Agrachi Nollis-2023-19337 "Design of Underwater Acoustic Communication System using Suitable Techniques* Mohammad All Jinnah University Agrachi Nollis-2023-19338 "Innovative Battery Management System for Sustainable Electric Vehicle using Al and Renewable Sources* Mohammad All Jinnah University Agrachi Nollis-2023-19338 "Innovative Battery Management System for Sustainable Electric Vehicle using Al and Renewable Sources* Mohammad All Jinnah University Agrachi Nollis-2023-19340 Assistive Limb Innovation* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Mohammad Nawaz Sharff University of Engineering & Technology Main Nollis-2023-19360 Solar Assisted Electric Bloyck by using BLDC Hub Motor* Management System* Nollis-2023-19360 Nollis-	
NIBS 2023-22872  Vet Pharmapedia Pakistan'  NIBS University of Agriculture, Multan  Main  131 NGBIs 2023-22952  Development of IOT based incubator for Egg hatching'  Mohammad All Jinnah University  Asrachl  Asr	Computer Science & IT
2. NGIB-2023-32952 Development of IOT based incubator for Egg hatching'  1. NGIB-2023-32952 Smart Controlled Chamber for Plant Growth and Health Monitoring'  1. NGIB-2023-3932 Smart Controlled Chamber for Plant Growth and Health Monitoring'  1. NGIB-2023-3932 Design of Underwater Acoustic Communication System using Suitable Techniques'  1. NGIB-2023-3933 Vertowards Carbon-Neutral Transportation: Developing a Sustainable Controller for Renewable Energy-Based Mohammad Ali Jinnah University  1. Karachi  1. NGIB-2023-3933 Innovative Battery Management System for Sustainable Electric Vehicle using Al and Renewable Sources. Mohammad Ali Jinnah University  1. Karachi  1. NGIB-2023-3933 Innovative Battery Management System for Sustainable Electric Vehicle using Al and Renewable Sources. Mohammad Ali Jinnah University  1. Karachi  1. NGIB-2023-3934 Monitoring of Irrigation system using IOT'  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engineering & Technology  1. Muhammad Nawaz Sharif University of Engine	
Nofille-2023-19326 Smart Controlled Chamber for Plant Growth and Health Monitoring' Mohammad Ali Jinnah University Karachi Nofille-2023-19327 Design of Underwater Acoustic Communication System using Suitable Techniques' Mohammad Ali Jinnah University Karachi Nofille-2023-19333 Novamora Carbon-Noutral Transportation: Developing a Sustainable Controller for Renewable Energy-Based Mohammad Ali Jinnah University Karachi Norille-2023-19338 Novamora Carbon-Noutral Transportation: Developing a Sustainable Controller for Renewable Energy-Based Mohammad Ali Jinnah University Karachi Norille-2023-19338 Novamora State Limbi Innovation' Mohammad Ali Jinnah University Karachi Norille-2023-19340 Nositative Limbi Innovation' Mohammad Ali Jinnah University Of Engineering & Technology Main Norille-2023-19340 Nonitoring of Irrigation system using IOT' Muhammad Nawaz Shariff University of Engineering & Technology Main Norille-2023-19374 Portable Ventilator' Muhammad Nawaz Shariff University of Engineering & Technology Main Norille-2023-19375 Shariff Shariff University of Engineering & Technology Main Norille-2023-19376 Norille-2023-19377 Norille-2023-19376 Norille-2023-19376 Norille-2023-19377 Norille-2023-193	Computer Science & IT
161 NGIR-2023-19332 Design of Underwater Acoustic Communication System using Suitable Techniques' 161 NGIR-2023-19333 \times \ti	Engineering and Sciences
151 NGIRI-2023-19333  "Towards Carbon-Neutral Transportation: Developing a Sustainable Controller for Renewable Energy-Based Wohammad All Jinnah University Karachi Vehicles\text{" Vehicles\text{ using All and Renewable Sources.' Mohammad All Jinnah University Karachi Mohammad All Jinnah University Karachi Mohammad All Jinnah University Karachi All Jinnah University Karachi Mohammad All Jinnah University Karachi Mohammad All Jinnah University Mohammad All Jinnah University Karachi Mohammad All Jinnah University	Electrical Engineering
Notine-2023-19338 Notine-2023-19338 Notine-2023-19338 Notine-2023-19340 Notine-2023-	Electrical Engineering
Solidit	Electrical Engineering
Mulhammad Nawaz Sharif University of Engineering & Technology   Main	Electrical Engineering
1519 NGIRI-2023-19374 Portable Ventilator*  Muhammad Nawaz Sharif University of Engineering & Technology Main  Mai	Computer System Engineering
Solar Assisted Electric Bicycle by using BLDC Hub Motor' Muhammad Nawaz Sharif University of Engineering & Technology Main Fig. 1 NGIRI-2023-16795 Herbs identification using machine learning' Namal University, Mianwali Main Main Main Main Main Main Main Mai	Electrical Engineering
S21 NGIRI-2023-16795 herbs identification using machine learning' Namal University, Mianwali Main Main Main Main Main Main Main Main	Electrical Engineering
S22 NGIRI-2023-17956 ML Based Seed Classification and Controlled Sowing System ' Namal University, Mianwali Main Orbased Smart Irrigation System with Weather Forecasting' Namal University, Mianwali Main Orbased Smart Irrigation System with Weather Forecasting' Namal University, Mianwali Main Main Orbased Smart BioFloc Water Management System ' Namal University, Mianwali Main Main Orbased Smart BioFloc Water Management System ' Namal University, Mianwali Main Main Main Orbased Smart BioFloc Water Management System ' Namal University, Mianwali Main Main Main Orbased Smart BioFloc Water Management System ' Namal University, Mianwali Main Main Main Main Main Main Main Water Management System ' Namal University, Mianwali Main Main Main Main Main Main Main Mai	Electrical Engineering
523 NGIRI-2023-17968 10T based Smart Irrigation System with Weather Forecasting' Namal University, Milanwalli Main 624 NGIRI-2023-19367 'Anti-Vehicle Collision and Driver Drowsiness Monitoring System' Namal University, Milanwalli Main 625 NGIRI-2023-19395 Smart BioFloc Water Management System' Namal University, Milanwalli Main 626 NGIRI-2023-19395 Smart BioFloc Water Management System' Namal University, Milanwalli Main 627 NGIRI-2023-16773 Indoor Navigation System' National Textile University Main 628 NGIRI-2023-16775 Surveillance Drome' National Textile University Main 629 NGIRI-2023-16799 PetPal with companion device' National Textile University Main 630 NGIRI-2023-17385 'Pakistan Sign Language converter to text' National Textile University Main 631 NGIRI-2023-17630 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIRI-2023-18217 'Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Electrical Engineering
Anti-Vehicle Collision and Driver Drowsiness Monitoring System ' Namal University, Mianwali Main  Anti-Vehicle Collision and Driver Drowsiness Monitoring System ' Namal University, Mianwali Main  Anti-Vehicle Collision and Driver Drowsiness Monitoring System ' Namal University, Mianwali Main  Anti-Vehicle Collision and Driver Management System ' Namal University, Mianwali Main  Anti-Vehicle University Main	Electrical Engineering
525 NGIRI-2023-19395 Smart BioFloc Water Management System' Namal University, Mianwalli Main 526 NGIRI-2023-22022 'FishTech' Namal University, Mianwalli Main 527 NGIRI-2023-16773 Indoor Navigation System' National Textile University Main 528 NGIRI-2023-16775 Surveillance Drome' National Textile University Main 529 NGIRI-2023-16795 PetPal with companion device' National Textile University Main 520 NGIRI-2023-17385 'Pakistan Sign Language converter to text' National Textile University Main 531 NGIRI-2023-17580 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 532 NGIRI-2023-18217 'Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Electrical
626 NGIRI-2023-22022 FishTech' Namal University, Mianwalii Main 627 NGIRI-2023-16773 Tindoor Navigation System' National Textile University Main 628 NGIRI-2023-16775 Surveillance Drome' National Textile University Main 629 NGIRI-2023-16939 PetPal with companion device' National Textile University Main 630 NGIRI-2023-17385 Pakistan Sign Language converter to text' National Textile University Main 631 NGIRI-2023-17580 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Electrical Engineering
627 NGIRI-2023-16773 Indoor Navigation System' National Textile University Main 628 NGIRI-2023-16775 Surveillance Drome' National Textile University Main 629 NGIRI-2023-16939 PetPal with companion device' National Textile University Main 630 NGIRI-2023-17385 Pakistan Sign Language converter to text' National Textile University Main 631 NGIRI-2023-17630 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Electrical Engineering
622 NGIR-2023-16775 Surveillance Drome' National Textile University Main 629 NGIR-2023-16939 PetPal with companion device' National Textile University Main 630 NGIR-2023-17885 Pakistan Sign Language converter to text' National Textile University Main 631 NGIR-2023-17830 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIR-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Management and Information Sciences
629 NGIRI-2023-16939 PetPal with companion device' National Textile University Main 630 NGIRI-2023-17385 Pakistan Sign Language converter to text' National Textile University Main 631 NGIRI-2023-17300 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Computer Science
650 NGIRI-2023-17385 Pakistan Sign Language converter to text* National Textile University Main 651 NGIRI-2023-17630 Shade Defect Detection in Denim by using Image Processing* National Textile University Main 652 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons* National Textile University Main	Computer Science & IT
631 NGIRI-2023-17630 Shade Defect Detection in Denim by using Image Processing' National Textile University Main 632 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Computer Science
632 NGIRI-2023-18217 Accessories Scanning and Recognition for Visually Impaired Persons' National Textile University Main	Computer Science & IT
	Computer Science
633 NGIRI-2023-21776 'Agriculture Marketplace' National Textile University Main	Computer Science & IT
	Computer Science
634 NGIN-2023-16876 Smade' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Faislabad	
635 NGIRI-2023-16886 "Marah Muallem" National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Faislabad	
536 NGIRI-2023-16944 Prosthetic Arm using AI techniques and emg sensor' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Faislabad  637 NGIRI-2023-16972 1of Based Health Monitorine & Fault Detection of Industrial AC Induction Motor' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Faislabad	
538 NGIRI-2023-16988 1oT Based Faulty Battery Detection & Management System National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsiabad  639 NGIRI-2023-17094 (Automation and Control of Portable Ventilator National University of Computer and Emerging Sciences (FAST-NU) (Chiniot-Falsiabad	
640 NG(R-2023-17131 WeMobile' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsiabada	
641 NGIRI-2023-17260 'Radar Security' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsabada	
642 NGRI-2023-17276 Rentomatic National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsiabad	
643 NGIRI-2023-17284 Viot based solar array cleaning system' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsabada	*
644 NGRI-2023-21433 'Automanic' National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsiabad	
645 NGIRI-2023-22591 "UAV Based People Counting System" National University of Computer and Emerging Sciences (FAST-NU) Chiniot-Falsabada	
646 NGIRL-2023-18997 Fruit Inspector' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computer Science
647 NGIRI-2023-19080 'Posture.ai' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computer Science
648 NGIRI-2023-21044 Identification of Biological Markers in Cancer Disease using Explainable AI' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computing and Technology
649 NGIRI-2023-21132 'Crowd Sourcing for Disaster management' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computer System
650 NGIRI-2023-21157 'Earn From Learn' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Software Engineering
651 NGIRI-2023-21226 SSGC Meter Reading Application National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computer Science
652 NGIRI-2023-21242 CROWD COUNT AND FLOW DIRECTION ESTIMATION' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Computer Science
653 NGIRI-2023-21406 Shadow Runes The Preacher of Night' National University of Computer and Emerging Sciences (FAST-NU) Karachi	Software Engineering
654 NGIRI-2023-19004 System on Chip based Deep Learning Accelerator for ECG Classification' National University of Computer and Emerging Sciences (FAST-NU)	Electrical/Electronics Engineering
655 NGIRI-2023-20445 Emergency Expert' National University of Computer and Emerging Sciences (FAST-NU) Lahore	Computer Science
656 NGIRI-2023-19929 S23-008-D-SceneCraft360' National University of Computer and Emerging Sciences (FAST-NU) Main	Computer Science
657 NGIRI-2023-19967 Water Rescue Robot' National University of Computer and Emerging Sciences (FAST-NU) Main	
658 NGIRI-2023-20452 VR Traveller ' National University of Computer and Emerging Sciences (FAST-NU) Peshawar	Electrical Engineering
659 NGIRI-2023-17801 10T Enabled Health Monitoring System for Miners' National University of Modern Languages Islamabad	Electrical Engineering  Computer Science
660 NGIRI-2023-17922 'E Parking Challan App' National University of Modern Languages Islamabad	

#	FYP Code	FYP Title	University	Campus	Department
661	NGIRI-2023-18148	'Intelligent Diagram Creator'	National University of Modern Languages	Islamabad	Software Engineering
662	NGIRI-2023-18232	'Supervised Classification of Land Images Using Deep Learning'	National University of Modern Languages	Islamabad	Computer Science
663	NGIRI-2023-18299	'WSTry-On'	National University of Modern Languages	Islamabad	Software Engineering
664	NGIRI-2023-18393	'Food Allergens Recognizer'	National University of Modern Languages	Islamabad	Computer Science
665	NGIRI-2023-18749	'Reducing Electricity Costs with Smart Scheduling and Renewable Energy'	National University of Modern Languages	Islamabad	Computer Science
666	NGIRI-2023-18780	'Real Time Patient Monitoring System IoT based'	National University of Modern Languages	Islamabad	Computer Science
667	NGIRI-2023-21088	'IOT based water filteration and monitoring system'	National University of Modern Languages	Islamabad	Electrical Engineering
668	NGIRI-2023-17679	'Android application for children with Autism Spectrum Disorder'	National University of Modern Languages	Rawalpindi	Computer Science
669	NGIRI-2023-17682	'ANDROID APP FOR LOCATION BASED OPEN MARKET'	National University of Modern Languages	Rawalpindi	Computer Science
670	NGIRI-2023-17685	'Skin Cancer Detection Application'	National University of Modern Languages	Rawalpindi	Computer Science
671	NGIRI-2023-17699	'AI Assisted UGV (Unmanned ground vehicle)'	National University of Modern Languages	Rawalpindi	Electrical Engineering
672	NGIRI-2023-17739	'IOT BASED LONG RANGE SURVEILLANCE ROBOT'	National University of Modern Languages	Rawalpindi	Electrical Engineering
673	NGIRI-2023-17751	'ACCIDENT CRASH AND ANOMALOUS ACTIVITY DETECTION '	National University of Modern Languages	Rawalpindi	Computer Science
674	NGIRI-2023-19148	'Automatic Power Factor Correction '	National University of Modern Languages	Rawalpindi	Electrical Engineering
675	NGIRI-2023-21420	'SafePay'	National University of Modern Languages	Rawalpindi	Computer System
676	NGIRI-2023-16704	'RF and NIRS based Non invasive measuring of blood sugar level'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics/Aeronautical Engineering
677	NGIRI-2023-16719	'Multi functional RF components for Reconfigurable RF System'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering
678	NGIRI-2023-16721	'Al Based Digital Modulation Scheme Recognition'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics/Aeronautical Engineering
679	NGIRI-2023-16760	'Implementation of Vision Language Navigation'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics/Aeronautical Engineering
680	NGIRI-2023-16761	'Forensic Tool for Deepfake Detection '	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics/Aeronautical Engineering
681	NGIRI-2023-16768	'Reconfigurable Array Antenna Design for Phased Array Applications'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering
682	NGIRI-2023-16780	'Design Modelling and Simulation of a Motion Simulator'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering
683	NGIRI-2023-17183	'Development Of Al Driven Adaptive RSS Algorithm for NB ELINT Receivers'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering
684	NGIRI-2023-20213	'Design and Characterization of Fiber metal Laminates for aerospace applications'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Aerospace Engineering
685	NGIRI-2023-20293	'Structural Analysis of Sandwich Structure in Aerospace Applications'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Aerospace Engineering
686	NGIRI-2023-22340	'Temperature distribution of RD night three HPT blade to analyze failure and mitigation strategies '	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Aerospace Engineering
687	NGIRI-2023-22493	'Stability analysis of a High Speed Target Drone using low fidelity tools'	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Aerospace Engineering
688	NGIRI-2023-17356	'Electric Drivetrain'	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical/Electronics Engineering
689	NGIRI-2023-18256	'Novel Dual Layer Parabolic trough collector'	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Mechanical Engineering
690	NGIRI-2023-18432	'LANDMINE DETECTION SYSTEM USING SDR BASED GPR'	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical Power Engineering
691	NGIRI-2023-22523	'Design of Solar Concentrator for Household Applications'	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical Engineering
692	NGIRI-2023-16777	'Development of a Force Sensor Integrated Surgical Instrument for Telemanipulation based Minimally Invasive Robotic Surgery'	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering
693	NGIRI-2023-16889	'Assistive Feeding System'	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering
694	NGIRI-2023-17327	'Analysis and Development of Novel Insulator for High Voltage Transmission Lines'	National University of Science and Technology (NUST)	CEME	Mechanical Engineering
695	NGIRI-2023-22303	'Design and fabrication of Vertical axis wind turbine'  'Design and Fabrication of EMG driven Exoskeleton for the post stroke rehabilitation using Pattern Recognition	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering
696	NGIRI-2023-17034	besign and Faurication of Ewio driven exoskeleton for the post stroke reliabilitation using Pattern Recognition Techniques'	National University of Science and Technology (NUST)	Main	Mechanical Engineering
697	NGIRI-2023-18379	'ROBOT FOR AUTOMATED CLEANING OF SOLAR PANELS'	National University of Science and Technology (NUST)	Main	Electrical Engineering
698	NGIRI-2023-18933	'Development of mobile robot for warehouse automation'	National University of Science and Technology (NUST)	Main	Mechanical Engineering
699	NGIRI-2023-19605	'Posture recognition and Fall detection via mmWave Radar'  'Collision Avoidance & Warning System via mm-Wave Radar to Ensure Safe Driving of Commercial Vehicles on	National University of Science and Technology (NUST)	Main	Electrical Engineering
700	NGIRI-2023-19666	Pakistani Motorways'	National University of Science and Technology (NUST)	Main	Electrical Engineering
701	NGIRI-2023-20537	'Limb strength augmentation using artificial muscles for industrial applications'	National University of Science and Technology (NUST)	Main	Mechanical Engineering
702	NGIRI-2023-21299	'Crop Yield Estimation By Aerial Imagery'	National University of Science and Technology (NUST)	Main	Computing and Technology
703	NGIRI-2023-22021	'In-Cabin Child Protection via Machine Learning (ML) based Radar Technology'	National University of Science and Technology (NUST)	Main	Electrical/Electronics Engineering
704	NGIRI-2023-23193 NGIRI-2023-17657	'Internal Pipe Inspection robot AI ML based'	National University of Science and Technology (NUST)	Main	Mechanical Engineering
	NGIRI-2023-17657	'Smart Visual Alert System for Deaf'	National University of Science and Technology (NUST)	MCS	Computer Science
706	NGIRI-2023-20097	'advance food grading system'	National University of Science and Technology (NUST)	MCS	Electrical/Electronics Engineering
707	NGIRI-2023-23023 NGIRI-2023-16683	'Al-aided enhanced low-cost dense seismic monitoring'  'Improving the extracting capability of a sunflower oil and to produce the blodiesel'	National University of Science and Technology (NUST)  National University of Technology (NUTECH), Islamabad	Quetta	Computer Science  Mechanical Engineering
709	NGIRI-2023-10083	"Umeed Wearable Robotic Exo Glove"		Islamabad	
710	NGIRI-2023-16817	'Bionic Leg for Transfemoral amputees'	National University of Technology (NUTECH), Islamabad  National University of Technology (NUTECH), Islamabad	Islamabad	Computer Science Computer Engineering
711	NGIRI-2023-16910				
711	NGIRI-2023-16910 NGIRI-2023-16912	"Wall Climbing Robot"  Three phase Fault Analysis and Health Management of an Induction Motor'	National University of Technology (NUTECH), Islamabad  National University of Technology (NUTECH), Islamabad	Islamabad	Electrical Engineering Electrical Engineering
712	NGIRI-2023-16912 NGIRI-2023-16924	'Inree pnase Fault Analysis and Health Management of an Induction Motor  'Gesture Control Robot'	National University of Technology (NUTECH), Islamabad  National University of Technology (NUTECH), Islamabad	Islamabad	Electrical Engineering
713	NGIRI-2023-16924 NGIRI-2023-18079	'Prosthetic Hand for transradial amputated person'	National University of Technology (NUTECH), Islamabad  National University of Technology (NUTECH), Islamabad	Islamabad	Electrical Engineering
715	NGIRI-2023-18079	'Smart water consumption measuring system'	Nazeer Hussain University	Main	Electrical
716	NGIRI-2023-17113	DESIGN & IMPLEMENTATION OF A THREE PHASE INDUSTRIAL EQUIPMENT SAFETY TRAINER	Nazeer Hussain University	Main	Electrical
717	NGIRI-2023-17133	Developing a Prototype of Hybrid Electric Motorcycle by conversion of a conventional motorcycle into a Hybrid	Nazeer Hussain University	Main	Electrical Engineering
<u> </u>	NGIRI-2023-19655	Electric Motorcycle (HEM) and Power Mode Switching (PMS)'  'Community Algorithm Tool for Sports Domain'	Nazeer Hussain University	Main	Computer Science
718				1	para andre
	NGIRI-2023-19859	'Community Algorithm Tool For Entrepreneurial Domain (CATEDD)'	Nazeer Hussain University	Main	Computer Science
718 719 720	NGIRI-2023-19859 NGIRI-2023-19994	"Community Algorithm Tool For Entrepreneurial Domain (CATERD)"  Arduino Based Portable Uthium-ion Cell Health Analyzing Machine	Nazeer Hussain University  Nazeer Hussain University	Main	Computer Science  Electrical Engineering

## Shortlisted EVDs

#	FYP Code	FYP Title	University	Campus	Department
721	NGIRI-2023-21046	Trainer for Monitoring and Protection of Various Electrical Motors	Nazeer Hussain University	Main	Electrical Engineering
722	NGIRI-2023-21103	Design IoT based Three Phase Transmission Line Fault Detection & Analysis System Using Arduino	Nazeer Hussain University	Main	Electrical Engineering
723	NGIRI-2023-16688	'Smart Solar assisted stacked solar still array for sustainable water desalination'	NED University of Engineering & Technology	Karachi	Electronics Engineeering
724	NGIRI-2023-16796	'Implementation of a gait control algorithm for a quadruped robot'	NED University of Engineering & Technology	Karachi	Electrical Engineering
725	NGIRI-2023-16872	'Design and development of assistive CPAP & BIPAP machine'	NED University of Engineering & Technology	Karachi	Electrical
726	NGIRI-2023-16896	'XSecure Ransomware detection and prevention'	NED University of Engineering & Technology	Karachi	Software Engineering
727	NGIRI-2023-17857	'SMART SOCIAL INTERACTION ROBOT FOR COMMERCIAL ENTERPRISE'	NED University of Engineering & Technology	Karachi	Electrical Engineering
728	NGIRI-2023-18486	'Plug In Hybrid Electric Bike'	NED University of Engineering & Technology	Karachi	Electronics
729	NGIRI-2023-18490	'Transformer based Urdu OCR'	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering
730	NGIRI-2023-18658	'LANE DEPARTURE MONITORING SYSTEM WITH ITS HARDWARE SUPPORTED IMPLEMENTATION'	NED University of Engineering & Technology	Karachi	Electronics
731	NGIRI-2023-18662	'Design of Structural Health Monitoring System (SHM) on FPGA'	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering
732	NGIRI-2023-18685	'Smart Vehicle in Fog Environment: Accident Detection, Accident Avoidant and Notification System'	NED University of Engineering & Technology	Karachi	Telecom Engineering
733	NGIRI-2023-18828	'IOT Enabled Smart Vertical Farming Monitoring System'	NED University of Engineering & Technology	Karachi	Telecom Engineering
734	NGIRI-2023-18852	'Heads up display (HUD) helmet for navigation'	NED University of Engineering & Technology	Karachi	Electronics Engineeering
735	NGIRI-2023-18869	'Plant leaf disease detection using Transfer Learning-based Deep Ensemble Neural Network'	NED University of Engineering & Technology	Karachi	Electrical Engineering
736	NGIRI-2023-18908	'Implementation of Smart Farming Using Digital Twin Technology'	NED University of Engineering & Technology	Karachi	Telecom Engineering
737	NGIRI-2023-19000	'Smart UVC Disinfection Tunnel for Food and Pharmaceutical Industries'	NED University of Engineering & Technology	Karachi	Electronics
738	NGIRI-2023-20333	'Assessing Cue Induced Cravings in Cannabis Use Disorder'	NED University of Engineering & Technology	Karachi	Biomedical Engineering
739	NGIRI-2023-20499	'Modifying Binaural Beats stimulation for Improving the Working memory of Alzheimer\'s patients'	NED University of Engineering & Technology	Karachi	Biomedical Engineering
740	NGIRI-2023-20805 NGIRI-2023-20868	'Development of IOT based small scale solar desalination system'  Removal of Particulate Matter (PM) with Blomass Based Air Filter'	NED University of Engineering & Technology  NED University of Engineering & Technology	Karachi Karachi	Mechanical Engineering  Mechanical Engineering
741	NGIRI-2023-20868	The reconstruction of a dorless clothing '  The velopment of odorless clothing '	NED University of Engineering & Technology	Karachi	Mechanical Engineering
743	NGIRI-2023-21416	'Development of Outdoor Mobile Mapping and Visualization System'	NED University of Engineering & Technology	Karachi	Electronics Engineering
744	NGIRI-2023-21423	'Resolution Enhancement of Low Quality Images'	NED University of Engineering & Technology	Karachi	Computer & Information System
745	NGIRI-2023-21475	'International Telco Roaming Fraud Prevention Using Blockchain'	NED University of Engineering & Technology	Karachi	Engineering Telecom Engineering
746	NGIRI-2023-21635	'Development Of A Trolley Based Geo Spatial Indoor Mapping System'	NED University of Engineering & Technology	Karachi	Electronics Engineeering
747	NGIRI-2023-21822	'Automatic Detection of Glaucoma via fundus and OCT imaging in the era of Al and ML'	NED University of Engineering & Technology	Karachi	Electrical/Electronics Engineering
748	NGIRI-2023-21994	'WiFi Enabled CNC Laser Engraving Machine'	NED University of Engineering & Technology	Karachi	Electronics
749	NGIRI-2023-23206	'Designing a Wearable and Adjustable Posture Correcting Device'	NED University of Engineering & Technology	Karachi	Biomedical Engineering
750	NGIRI-2023-17341	'Wireless Charging of Electrical Vehicles by Magnetic Resonance Method'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Electrical Engineering
751	NGIRI-2023-18179	'Intelligent monitoring and controlling of greenhouse using wireless sensor networks '	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Electrical Engineering
752	NGIRI-2023-18382	'Design of Air Quality sensing node using LoRa WAN and Machine Learning'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Electrical/Electronics Engineering
753	NGIRI-2023-18836	'An immersive storybased game designed for enhancing learning experience and amusement of kids'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Computer Science
754	NGIRI-2023-18837	'An AI Death-defying adventure racing rampage game'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Computer Science
755	NGIRI-2023-18839	'Blockchain-based smart contracts for crowdfunding: A revolutionary solution'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Computer Science
756	NGIRI-2023-19096	'Smart Automobile Tracking System'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Computer Science
757	NGIRI-2023-22319	'Monitoring of oil well located at remote location through a smartphone'	NFC Institute of Engineerign and Technology (NFC-UET)	Multan	Electrical Engineering
758	NGIRI-2023-22329 NGIRI-2023-17941	'Artificial Intelligence-Based Intrusion Detection Mechanism for Micro-grid Buildings'	NFC Institute of Engineerign and Technology (NFC-UET)  PAF Karachi Institute of Economics and Technology	Multan Main	Electrical Engineering  Computer & Information System
760	NGIRI-2023-17941 NGIRI-2023-18087	'Smart Traffic Light Management System'  Water Solution'	PAF Karachi Institute of Economics and Technology	Main	Engineering  Computer Science
761	NGIRI-2023-18617	'DESIGN AND DEVELOPMENT OF LIFT AND SLIDE AUTOMATIC CAR PARKING SYSTEM USING PLC'	PAF Karachi Institute of Economics and Technology	Main	Electrical/Electronics Engineering
762	NGIRI-2023-18742	'Design and development of Drowsiness Detector'	PAF Karachi Institute of Economics and Technology	Main	Electrical Engineering
763	NGIRI-2023-18768	'SPOT IT'	PAF Karachi Institute of Economics and Technology	Main	Software Engineering
764	NGIRI-2023-18792	'CareerTech'	PAF Karachi Institute of Economics and Technology	Main	Software Engineering
765	NGIRI-2023-18808	'Efficient beam steering for wireless power transmission by using Helical antenna '	PAF Karachi Institute of Economics and Technology	Main	Avionics Engineering
766	NGIRI-2023-18911	'Design and Analysis of an Aerial Communication Network using Drone Technology'	PAF Karachi Institute of Economics and Technology	Main	Avionics Engineering
767	NGIRI-2023-19630	'Smart Irrigation System IOT Based'	PAF Karachi Institute of Economics and Technology	Main	Computer Science
768	NGIRI-2023-19675	'Saaf City'	PAF Karachi Institute of Economics and Technology	Main	Computer Science
769	NGIRI-2023-19965	'The pet\'s corner'	PAF Karachi Institute of Economics and Technology	Main	Computer & Information System Engineering
770	NGIRI-2023-20131	'UGV Stair Climber Buddy Lift Robot'	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering
771	NGIRI-2023-20170	Design and Development of a Smart Water Monitoring System with Automated Bottle Filling and Sensor Integration'  OPTIMIZATED CONTROL SYSTEM FOR DYNAMIC BIPEDAL LOCOMOTION AND PHYSICAL HUMAN-ROBOT	PAF Karachi Institute of Economics and Technology	Main	Electrical/Electronics Engineering
772	NGIRI-2023-20183	INTERACTION IN A HUMANOID ROBOT'	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering
773	NGIRI-2023-20500	"Deep Learning Algorithm for Aircraft Strutural Analysis"	PAF Karachi Institute of Economics and Technology	Main	Avionics Engineering
774	NGIRI-2023-20571 NGIRI-2023-20870	'Smart Face emotion detection Music player'  Designing and development of an explosive ordinance FOD robot for rough terrains	PAF Karachi Institute of Economics and Technology  PAF Karachi Institute of Economics and Technology	Main	Computer Science  Mechatronics Engineering
776	NGIRI-2023-20870	Designing and development of an explosive ordinance EOD robot for rough terrains.  TireWISE: The Intelligent and Eco-friendly Smart Tire System'	PAF Karachi Institute of Economics and Technology  PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering  Electrical Engineering
777	NGIRI-2023-20987	'Smart Den'	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science
778	NGIRI-2023-18000	'IoT Based Smart Baby Stroller'	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science
779	NGIRI-2023-18039	'Smart Glasses'	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science
780	NGIRI-2023-18102	'Assistive Communication System for Dumb and Deaf'	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science
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#	FYP Code	FYP Title	University	Campus	Department
781	NGIRI-2023-21250	'An Optimal Selection of Gait Features for Human Recognition'	Punjab University	PUCIT, New Campus	Software Engineering
782	NGIRI-2023-17249	'Synchronous Reluctance Motor design for Electric Vehicle'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electrical Engineering
783	NGIRI-2023-17826	'Design and Implementation of Arduino Based Solar Tracking System '	Quald-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electrical Engineering
784	NGIRI-2023-18003	"To Optimize Energy Efficiency by using Automatic Cleaning of Solar System"	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electrical Engineering
785	NGIRI-2023-18126	'Energy generation by using waste materials'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electrical Engineering
786	NGIRI-2023-18504	'Real Time Human Detection and Counting'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electronics Engineeering
787	NGIRI-2023-19102	'Design and Development of Smart Aquaponics System '	Quald-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electronics Engineeering
788	NGIRI-2023-20207	'Design and development of pipeline inspection robot.'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electronics Engineeering
789	NGIRI-2023-21117	'Design & Development of Low Cost SCARA Robot for Precise Conveying and Stacking'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Mechanical Engineering
790	NGIRI-2023-21654	'Development and Analysis of Rice Paddy Transplanter'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Mechanical Engineering
791	NGIRI-2023-21922	'Fabrication and performance evaluation of a solar dryer for agriculture products '	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Mechanical Engineering
792	NGIRI-2023-22570	'Mental states detection using brain waves'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electronics Engineeering
793	NGIRI-2023-22871	'Vertical Traffic Wind Turbine'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Larkano	Electrical
794	NGIRI-2023-16898	'Gesture-based Quadcopter Control - An Implementation of Media Pipe on DJI Tello Drone'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Computer System Engineering
795	NGIRI-2023-16997	'Prototype Development of an Automatic and Floating Structured Hydro Power Plant'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electrical Engineering
796	NGIRI-2023-17076	'Optical Biosensor for Covid Disease'	Quald-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineeering
797	NGIRI-2023-17079	'Prototype design of automatic and flexible Solar panel cleaning robot '	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics
798	NGIRI-2023-17088	'Android controlled solar based grass cutter'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineeering
799	NGIRI-2023-17089	'Automatic recycling waste sorting plant'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)  Quaid-e-Awam University of Engineering, Science & Technology	Nawabshah	Electronics Engineeering
800	NGIRI-2023-17377	'Meta Estate'	(QUEST)	Nawabshah	Computer Science
801	NGIRI-2023-17387	'Autonomous Car using Raspberry pi and Machine leaning'	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)  Quaid-e-Awam University of Engineering, Science & Technology	Nawabshah	Computer System Engineering
802	NGIRI-2023-17920	'DIGITALLY GUARDED DOORWAYS'	(QUEST)  Quald-e-Awam University of Engineering, Science & Technology	Nawabshah	Information Technology
803	NGIRI-2023-17973	'Drone based solid waste detection system using deep learning'	(QUEST)  Quald-e-Awam University of Engineering, Science & Technology	Nawabshah	Information Technology
804	NGIRI-2023-17985	'loT based Door Lock System '	(QUEST)	Nawabshah	Telecom Engineering
805	NGIRI-2023-22143	'lot base livestock health care monitoring service \\' *Cattle management service*'	Quaid-e-Azam University	Main	Computer Science
806		'IOT based Air monitoring system for asthma patient '	Riphah International University	Faisalabad	Department of Electrical Technology
807	NGIRI-2023-18325	'Mind control Robot wheelchair for Handicap people'	Riphah International University	Faisalabad	Electrical Engineering
808	NGIRI-2023-18704	'Smart Navigation stick for blind people'	Riphah International University	Faisalabad	Electrical Engineering
809	NGIRI-2023-18899	'A Smart Sensors-Based hybrid energy System to Monitor and Control Tube Well for Agriculture Applications'	Riphah International University	Faisalabad	Electrical Engineering
810	NGIRI-2023-20153 NGIRI-2023-21434	'Modern irrigation system system for smart city using IOT'	Riphah International University	Faisalabad Faisalabad	Electrical Engineering
812	NGIRI-2023-22931	"IOT based flood monitoring"  "Self propelled water waste material collector using image processing"	Riphah International University  Riphah International University	Faisalabad	Electronics Engineeering  Computer Science
813		Jen propered water waste material conection using image processing  'Lactgo'	Riphah International University	Gulberg Green	Software Engineering
814	NGIRI-2023-18741	'Gather and Scatter'	Riphah International University	Gulberg Green	Software Engineering
815	NGIRI-2023-19171	'SpeatAll'	Riphah International University	Gulberg Green	Software Engineering
816	NGIRI-2023-16948	'DermaVision'	Riphah International University	Islamabad	Software Engineering
817	NGIRI-2023-18051	'Automatic Fire Detection and Fire Fighting Drone Using Deep Learning'	Riphah International University	Islamabad	Electrical Engineering
818	NGIRI-2023-18074	'Bano Kamyaab '	Riphah International University	Islamabad	Computer Engineering
819	NGIRI-2023-19379	'Automated Detection of ABO Rh Blood Typing'	Riphah International University	Islamabad	Biomedical Engineering
820	NGIRI-2023-20584	'Design and development of mental stress measuring device'	Riphah International University	Islamabad	Biomedical Engineering
821	NGIRI-2023-20885	'Development of an AI Algorithm and Sensor optimization to convert Urdu sign language Gestures to speech'	Riphah International University	Islamabad	Biomedical Engineering
822	NGIRI-2023-21060	'Design and Development of Al Based System for early diagnose of cardiopulmonary diseases '	Riphah International University	Islamabad	Electrical Engineering
823	NGIRI-2023-21304	'Power generation from inorganic waste material '	Riphah International University	Islamabad	Electrical Engineering
824	NGIRI-2023-21914	'Design and Development of Embedded System for Wearable sensors to convert Urdu sign Language gestures to Speech'	Riphah International University	Islamabad	Biomedical Engineering
825	NGIRI-2023-23166	'Design and Development of Non Invasive Device for estimation of Blood Glucose Level'	Riphah International University	Islamabad	Electrical Engineering
826	NGIRI-2023-18371	'Multi-purpose cleaning robot'	Riphah International University	Lahore	Electrical Engineering
827	NGIRI-2023-18558	'Design and experimental analysis of Solar powered smart EV batteryÅ charger'	Riphah International University	Lahore	Electrical Engineering
828	NGIRI-2023-18642	'Rehabilitation Robots for Physiotherapy '	Riphah International University	Lahore	Electrical Engineering
829	NGIRI-2023-18791	'ServoBot '	Riphah International University	Lahore	Electrical Engineering
830	NGIRI-2023-20056	'VitaAlert+'	Riphah International University	Lahore	Computer Science
831	NGIRI-2023-22367	'An effective design app for blood donor and accepter a needy person'	Riphah International University	Malakand	Software Engineering
832	NGIRI-2023-16692	'Hand E Ssist'	Salim Habib University(Barrett Hodgson University)	The Salim Habib	Biomedical Engineering
833	NGIRI-2023-16738	'Tracing Veins using Near Infra-red Imaging Techniques'	Salim Habib University(Barrett Hodgson University)	The Salim Habib	Biomedical Engineering
834	NGIRI-2023-18115	'Smart Non invasive Blood Group and Hemoglobin Detector '	Salim Habib University(Barrett Hodgson University)	The Salim Habib	Biomedical Engineering
835	NGIRI-2023-18778	'DESIGN AND DEVELOPMENT OF COST EFFECTIVE HUMAN PATIENT SIMULATOR'	Salim Habib University(Barrett Hodgson University)	The Salim Habib	Biomedical Engineering
836	NGIRI-2023-17259	'Development of the Smart 3D Bio-Printing for Human Disability'	Sarhad University of Science and IT	Main	Computer Science & IT
837	NGIRI-2023-19493	'Development of an Automated and Centralized Fleet Management and Vehicle Tracking system with Maintenance capabilities for Movable Assets of TMA Peshawar'	Sarhad University of Science and IT	Main	Electrical Engineering
838	NGIRI-2023-19616	'Design an IoT-based Home Automation System with Fault Detection'	Sarhad University of Science and IT	Main	Electrical Engineering
839	NGIRI-2023-20069	'Robotic fire fighting system'	Sarhad University of Science and IT	Main	Computer Science & IT
840	NGIRI-2023-20242	'Design of electric bike with collision avoidance system'	Sarhad University of Science and IT	Main	Electrical Engineering

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841	NGIRI-2023-16672	'Sugarcane disease detection using Convolutional Neural Network	Shah Abdul Latif University, Khairpur	Khairpur	Computer Science
842	NGIRI-2023-17118	'Artificial Intelligence based Quiz Game '	Shah Abdul Latif University, Khairpur	Khairpur	Computer Science
843	NGIRI-2023-18439	'Auto load shairing of transformers '	Shah Abdul Latif University, Khairpur	Khairpur	Electronics
844	NGIRI-2023-18525	'ARDUINO OBSCTACLE AVOIDANCE & LINE FOLLOWER ROBOTIC CAR'	Shah Abdul Latif University, Khairpur	Khairpur	Electronics
845	NGIRI-2023-20740	'Rural ride scheduler'	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology
846	NGIRI-2023-21183	'IOT Based Safety Helmet for Mining Workers'	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology
847	NGIRI-2023-21229	'IOT based Intelligent Gas Leakage Detection System Using Arduino'	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology
848	NGIRI-2023-21741	'Event Managmenet'	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology
849	NGIRI-2023-18984	'SbbuCloud â€" Online Storage Platform'	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nowshahro Feroze	Computer Science & IT
850	NGIRI-2023-20270	'Animal Simulation Game'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Engineering
851	NGIRI-2023-20324	'Skywatch: Human and object spotting in aerial view through hexa-copter'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Science
852	NGIRI-2023-20366	'automated robotic Crane'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Science
853	NGIRI-2023-20395	'IoT based Assistive System for Alzheimer Patients'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Science
854	NGIRI-2023-18913	'INTELLICHECKER'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Larkana	Computer Science
855	NGIRI-2023-18916	'Guava Fruit Classification Using Deep Learning '	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Larkana	Computer Science
856	NGIRI-2023-18919	'An Efficient System for Brain Tumor Segmentation and Overall Survival Prediction'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Larkana	Computer Science
857	NGIRI-2023-16996	'Air Water Generator Humido'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering
858	NGIRI-2023-17366	'Bio-Diverse disposable plate making machine '	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering
859	NGIRI-2023-18007	'Computer Vision Robotic Arm with 5-DOF'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering
860	NGIRI-2023-20019	'Water Desalinator and Purifier'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering
861	NGIRI-2023-22722	'Bio-Fertilizer Synthesis from Human Hair'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Science & Technology
862	NGIRI-2023-22812	'Use of treated textile effluent by Trametes pubescens MB 89 for cultivation of maize'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Science & Technology
863	NGIRI-2023-22854	'Utilization of halophytic plant seeds for lipase production by bacillus sp '	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Science & Technology
864	NGIRI-2023-22886	'Investigating the potential of AgNP synthesis from leaf and bark extracts of Senegalia modesta'	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Science & Technology
865	NGIRI-2023-23105	'CarT '	Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science
866	NGIRI-2023-17560	'Livestock Health Monitoring System Using IoT'	Sindh Agrculture University	Tando Jam	Information Technology
867	NGIRI-2023-18647	'InfoTech Pedia'	Sindh Agrculture University	Tando Jam	Information Technology
868	NGIRI-2023-19276	'AI BASED SMART NOSE'	Sindh Agrculture University	Tando Jam	Information Technology
869	NGIRI-2023-22165	'SMART HOME AUTOMATION MIRROR'	Sindh Agrculture University	Tando Jam	Information Technology
870	NGIRI-2023-17488	'Remote Health monitoring using iot and edge computing '	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering
871	NGIRI-2023-16709	'STEREOSCOPIC AID FOR VISUALLY IMPAIRED IMPLEMENTED USING LBPH FACE RECOGNIZER'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineeering
872	NGIRI-2023-16737	'AUG BOOK'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT
873	NGIRI-2023-17292	'Effective Design Of Flight Controller'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electrical Engineering
874	NGIRI-2023-17752	'An Intelligent Virtual Driving System V Drive'	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering
875	NGIRI-2023-17860	'FARMS Smart Robotic Walker '	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering
876	NGIRI-2023-18135	'Control And Monitoring Of Autonomous Vehicle By Using Image Processing'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics
877	NGIRI-2023-19043	'Development of marker Based Augmented reality app using booklet for medical students'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering
878	NGIRI-2023-19110	'Remote-controlled Rescue hovercraft '	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science
879	NGIRI-2023-19111	'Reverse Vending Machine '	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering
880	NGIRI-2023-19149	'Deep Dentistry'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science
881	NGIRI-2023-19159	'Mechanism of thalamic deep brain simulation for patient with movement disorder'	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering
882	NGIRI-2023-19161	'Next-Generation Board Meeting Analyzer: Leveraging NLP and Video Processing for Enhanced Meeting Insights'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT
883	NGIRI-2023-19169	'Cutting Edges'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science
884	NGIRI-2023-19186	'Cosmos Odyssey'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering
885	NGIRI-2023-19247	'Hafiz Assistive device HAD'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science
886	NGIRI-2023-19255	'Crowdsourced Geofencing Alert Application'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT
887	NGIRI-2023-19623	'Eddy Current Braking System'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electrical Engineering
888	NGIRI-2023-20024	'IOT BASED HEALTH TRACKING SYSTEM FOR IMMOBOLIZED PATIENTS'	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering
889	NGIRI-2023-20157	'DRUGGED'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT
890	NGIRI-2023-20438	'Sign Language Detection System For Deaf and Dumb People'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electrical Engineering
891	NGIRI-2023-20491	'Al Sketch Vision'	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering
892	NGIRI-2023-20542	'Smart Shopping Cart'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineeering
893	NGIRI-2023-20594	'VANET Communication'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineeering
894	NGIRI-2023-20617	'lot Based Solar Powered Sea Water Distillation Plant'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineeering
895	NGIRI-2023-20773	'RISC-V Implementation on FPGA'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electrical Engineering
896	NGIRI-2023-20836	'Emg Prosthetic hand'	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering
897	NGIRI-2023-21068	'SMART HYDROPONICS'	Sir Syed University of Engineering and Technology (SSUET)	Main	Information Technology
898	NGIRI-2023-21278	'Association between Thyroid Disorder and Mental Health in Diabetic Patients'	Sir Syed University of Engineering and Technology (SSUET)	Main	Engineering and Sciences
899	NGIRI-2023-21393	'Breakfast Object Detection in IoT Based Smart Fridge using CNN'	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics
900	NGIRI-2023-21795	'AI Based Data Entry Automation'	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering

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901	NGIRI-2023-22043	'Automobile black box for post accident analysis'	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering
902	NGIRI-2023-22231	'Emergency Medical Services (EMS) Dispatch and Navigation System'	Sir Syed University of Engineering and Technology (SSUET)	Main	Telecom Engineering
903	NGIRI-2023-19082	'HouseMate'	Sukkur IBA University	Kandkot	Computer Science
904	NGIRI-2023-16661	'An Artificial Intelligence Based Sar Sabz Pakistan'	Sukkur IBA University	Main	Electrical/Electronics Engineering
905	NGIRI-2023-16900	'Healthcare Freelance Pakistan'	Sukkur IBA University	Main	Computer Science
906	NGIRI-2023-17041	'Fabrication of Soft and Comfortable Pressure-sensing Shoe Sole for Intuitive Monitoring of Human Quality Gait'	Sukkur IBA University	Main	Electrical Engineering
907	NGIRI-2023-17280	'Automated Interviews'	Sukkur IBA University	Main	Computer Science
908	NGIRI-2023-17972	'Al and IOT Based smat Medication Box'	Sukkur IBA University	Main	Electronics
909	NGIRI-2023-18137	'Investigation and Improvement of Power Quality issues in AC Micro grid System'	Sukkur IBA University	Main	Electrical Engineering
910	NGIRI-2023-18677	Digital Assets' provenance using Blockchain	Sukkur IBA University	Main	Computer Science
911	NGIRI-2023-19491	'Design of Human Brain in 3D'	Sukkur IBA University	Main	Computer Science
912	NGIRI-2023-20676	'Cost effective Electric Bicycle for Pakistan'	Sukkur IBA University	Main	Electrical Power Engineering
913	NGIRI-2023-19574	'An Enhanced Experimental Approach on Custom Object Detection using Deep Learning'	Thar Institute of Engineering, Sciences & Technology (TIEST), A	Mithi, Tharparkar	Computer Science & IT
	NGIRI-2023-19957	'Design & Implementation Mobile Application for Archeological Sites'	Constituent College of NED UET Karachi) Thar Institute of Engineering, Sciences & Technology (TIEST), A	Mithi. Tharparkar	Computer Science & IT
	NGIRI-2023-21469		Constituent College of NED UET Karachi) Thar Institute of Engineering, Sciences & Technology (TIEST), A	Mithi, Tharparkar	Computer Science & IT
916	NGIRI-2023-21409	"To detect suspicious animals at low-level light to avoid road accidents by using machine learning"	Constituent College of NED UET Karachi)		
		'Design and Implementation of EEG base brain Controlled Wheelchair'	The Superior College	Gold Campus	Computer Science
917	NGIRI-2023-19455	10T Based Radion For Your Safety'	The Superior College	Gold Campus	Software Engineering
918	NGIRI-2023-19465	'breast cancer deduction using deep learning'	The Superior College	Gold Campus	Computer Science
919	NGIRI-2023-19522	'IOT based health monetering system'	The Superior College	Gold Campus	Software Engineering
920	NGIRI-2023-20533	'Digital Window'	The Superior College	Gold Campus	Computer System
	NGIRI-2023-20565	'Developing a Deep Learning-based Tool for Early Detection of Leptospirosis Infection'	The Superior College	Gold Campus	Computer Science
	NGIRI-2023-21392	'Language Learning Platform With Immersive Experience'	The Superior College	Gold Campus	Computer Science & IT
923	NGIRI-2023-21457	'A Web Application for Remote Health Monitoring'	The Superior College	Gold Campus	Information Technology
924	NGIRI-2023-21537	'Standup Autos'	The Superior College	Gold Campus	Computer System
925	NGIRI-2023-21612	'Al-powered environmental monitoring drone system'	The Superior College	Gold Campus	Software Engineering  Computer & Information System
926	NGIRI-2023-21777	'DineAR Foods'	The Superior College	Gold Campus	Engineering
927	NGIRI-2023-21920	'Grey Water System'	The Superior College	Gold Campus	Computer Science
928	NGIRI-2023-22996	'Voice of Deaf and Dumb'	The Superior College	Gold Campus	Software Engineering
929	NGIRI-2023-23030	'Ambulance Tracking'	The Superior College	Gold Campus	Information Technology
930	NGIRI-2023-16993	'Design and development of a smart solar parking lot'	The Superior College	University	Electrical Engineering
931	NGIRI-2023-17566	'Pneumonia Detector '	The Superior College	University	Computer Science & IT
932	NGIRI-2023-17581	'MyMentore Find your mentore for just one click'	The Superior College	University	Computer Science & IT
933	NGIRI-2023-17655	'Breast Cancer Detection Using Machine Learning'	The Superior College	University	Computer Science
934	NGIRI-2023-17705	'Personal Voice Assistant'	The Superior College	University	Information Technology
935	NGIRI-2023-17708	'Helping Hands (A crowdfunding platform using blockchain)'	The Superior College	University	Software Engineering
936	NGIRI-2023-18059	'Energy Management System Using Supervisory Control and Data Acquisition (SCADA) & Human Machine Interface [HMII]'	The Superior College	University	Electrical Engineering
937	NGIRI-2023-18084	'Design and Development of a Smart City '	The Superior College	University	Electrical Engineering
938	NGIRI-2023-18182	'Design and development of smart patient health monitoring system for COVID 19 diagnosis '	The Superior College	University	Electrical
939	NGIRI-2023-18224	'Forecasting of battery lifespan and monitoring system using Artificial Intelligence (AI).'	The Superior College	University	Electrical Engineering
940	NGIRI-2023-18834	'Demand Side Management in Smart Homes with Renewable Energy and Integrated Sensors.'	The Superior College	University	Avionics/Aeronautical Engineering
941	NGIRI-2023-19003	Design and development of low cost horizontal reciprocating sand sieving machine.'	The Superior College	University	Avionics/Aeronautical Engineering
942	NGIRI-2023-19106	'Design and Development of an Autonomous Drone with AI Systems'	The Superior College	University	Avionics/Aeronautical Engineering
943	NGIRI-2023-20738	'PSL SignBot'	The Superior College	University	Computer Science
944	NGIRI-2023-18016	'Walking Assist Exoskeleton'	The University of Faisalabad	Engineering Wing	Electrical Engineering
945	NGIRI-2023-18018	'Smart Glasses with Audio Aid for Blind and Visually Impaired People'	The University of Faisalabad	Engineering Wing	Electrical Engineering
946	NGIRI-2023-18043	'3D Rendering using FPGAs'	The University of Faisalabad	Engineering Wing	Electronics Engineeering
947	NGIRI-2023-18078	'Prosthetic Hand using Electromyography (EMG sensor) and voice control '	The University of Faisalabad	Engineering Wing	Electrical Engineering
948	NGIRI-2023-19308	'Battery Health Monitoring and Management System for Electrical Vehicle by using Arduino '	The University of Faisalabad	Engineering Wing	Electrical Engineering
949	NGIRI-2023-20165	'E Shopping virtual dressing room'	The University of Faisalabad	Engineering Wing	Computer Science
950	NGIRI-2023-20580	'Sign Language Interpreter'	The University of Faisalabad	Engineering Wing	Computer Science
951	NGIRI-2023-17808	'Toddler-kin Robot'	The University of Haripur	Main	Software Engineering
952	NGIRI-2023-18030	'Dealing with Child Syndrome using Deepfake'	The University of Haripur	Main	Information Technology
953	NGIRI-2023-18366	'Artificial Intelligence Based Residential Security System'	The University of Haripur	Main	Information Technology
954	NGIRI-2023-18878	'Controlling games through hand gestures'	The University of Haripur	Main	Information Technology
'	NGIRI-2023-18888	'Game Cortex Gaming Hub'	The University of Haripur	Main	Information Technology
955			The University of Haripur	Main	Software Engineering
955 956	NGIRI-2023-19796	'RIFD Automated Door Locking system'	The University of Haripur		
956	NGIRI-2023-19796 NGIRI-2023-22238	'RIFD Automated Door Locking system'  'Autonomous indoor navigation robot'	The University of Haripur	Main	Software Engineering
956 957					Software Engineering Software Engineering
956 957	NGIRI-2023-22238	'Autonomous indoor navigation robot'	The University of Haripur	Main	

#	FYP Code	FYP Title	University	Campus	Department
961	NGIRI-2023-20023	'Action Shooter Survival Suspensive Story based game using Artificial Intelligence'	The University of Lahore	Islamabad	Computer Science & IT
962	NGIRI-2023-20062	'Design and fabrication of a multipurpose pallettizer'	The University of Lahore	Islamabad	Mechanical Engineering
963	NGIRI-2023-20076	'Design and fabrication of Forced Convection solar dehydrator'	The University of Lahore	Islamabad	Mechanical Engineering
964	NGIRI-2023-20156	'Energy efficient solar powered water purifier with solar tracking system'	The University of Lahore	Islamabad	Mechanical Engineering
965	NGIRI-2023-20174	'IntelliDrive'	The University of Lahore	Islamabad	Computer Science & IT
966	NGIRI-2023-20221	'design and development of an solar powered automatic wheelchair for mobility assistance'	The University of Lahore	Islamabad	Mechanical Engineering
967	NGIRI-2023-17151	'Renewable Energy Based Cow Dung Log Making Machine '	The University of Lahore	Main	Electrical Engineering
968	NGIRI-2023-17479	'whisper A fake news detector'	The University of Lahore	Main	Software Engineering
969	NGIRI-2023-17527	'Campus Surveillance System'	The University of Lahore	Main	Software Engineering
970	NGIRI-2023-18068	'Self Powered Bike '	The University of Lahore	Main	Electrical Engineering
971	NGIRI-2023-18420	'Drone Navigation in Disaster Area'	The University of Lahore	Main	Computer Science & IT
972	NGIRI-2023-18604	'Autonomous Electric Trolley for Streamlined Industrial Equipment Transportation'	The University of Lahore	Main	Mechanical Engineering
973	NGIRI-2023-20493	'Speed control of three phase BLDC motor using IoT'	The University of Lahore	Main	Electrical Engineering
974	NGIRI-2023-22643	'IOT BASED AQUACULTURE MONITORING SYSTEM IN AUTOMATED FISH FARM'	The University of Lahore	Main	Electrical Power Engineering
975	NGIRI-2023-22667	'Life Cycle Assessment of 132KV Grid station Valencia Housing Scheme '	The University of Lahore	Main	Electrical Engineering
976	NGIRI-2023-21586	'Battalion Care '	The Women University	Katchehry Campus	Computer Science & IT
977	NGIRI-2023-22559	'Non Invasiver Glucometer using NIR'	University of Agriculture	Burewala	Computer Science
978	NGIRI-2023-16744	'Design and Development of Solar Powered Wireless Solar Panel Cleaning Robot'	University of Agriculture	Main	Engineering and Sciences
979	NGIRI-2023-18801	'Sensor Based Flood Irrigation Alarming System for Precision Agriculture'	University of Agriculture	Main	Engineering and Sciences
980	NGIRI-2023-19290	'Sprayer Callibration Calculator '	University of Agriculture	Main	Computer Science
981	NGIRI-2023-21306	'HelpAcre'	University of Agriculture	Main	Computer Science
982	NGIRI-2023-21928	'DESIGN AND TESTING OF A SMALL-SCALE BATTERY POWERED WALK BEHIND GARLIC PLANTR'	University of Agriculture	Main	Engineering and Sciences
983	NGIRI-2023-16934	'Solar panel cleaning reports '	University of Azad Jammu & Kashmir	Main	Electrical Engineering
984	NGIRI-2023-21288	'DASTYAR'	University of Azad Jammu & Kashmir	Main	Computer Science & IT
985	NGIRI-2023-20506	'Drowsiness detection system '	University of Balochistan	Main	Information Technology
986	NGIRI-2023-20748	'Smart Irrigation System'	University of Balochistan	Main	Computer Science & IT
987	NGIRI-2023-16929	'Three Dimensional Scanner'	University of Central Punjab	Main	Electrical Engineering
988	NGIRI-2023-18199	'DESIGN, FABRICATION AND TESTING OF A MEMBRANE-BASED ENERGY RECOVERY VENTILATOR'	University of Central Punjab	Main	Mechanical Engineering
989	NGIRI-2023-19885	'E Real Estate and Investors Window'	University of Central Punjab	Main	Software Engineering
990	NGIRI-2023-21889	'Tan Delta Measurement for High Voltage Equipment'	University of Central Punjab	Main	Electrical Engineering
991	NGIRI-2023-21965	'UPS Daughter Board for Solar Integration'	University of Central Punjab	Main	Electrical Engineering
992	NGIRI-2023-22095 NGIRI-2023-18108	'Multipurpose Agriculture Robot'	University of Central Punjab	Main	Electrical Engineering
993	NGIRI-2023-18108 NGIRI-2023-19291	'Fundraising for needy Students, (CrowdFunding BlockChain Technology)'	University of Education	D.G. Khan	Information Technology
994	NGIRI-2023-19291 NGIRI-2023-21251	'IOT Based Smart Agriculture System'	University of Education	Faisalabad Faisalabad	Information Technology
995	NGIRI-2023-21251	'Adaptive signals'  'SmartEco'	University of Education	Faisalabad	Computer Science & IT
997	NGIRI-2023-21934 NGIRI-2023-22090	'Online Rental Haven'	University of Education  University of Education	Faisalabad	Information Technology Information Technology
998	NGIRI-2023-22932	'AmbuTrack: A Step Towards Delivering and Tracking Medical Services.'	University of Education	Faisalabad	Information Technology
	NGIRI-2023-19049	'Smart Poultry Incubator Monitoring System '	University of Education	Joharabad	Computer Science & IT
	NGIRI-2023-19596	' IOT BASED SMART IRRIGATION SYSTEM USING ARDUINO'	University of Education	Joharabad	Computer Science & IT
1001	NGIRI-2023-20675	Smart Waste Management System	University of Education	Joharabad	Computer Science & IT
1002	NGIRI-2023-20735	Bearing Fault Detection System using Machine Learning	University of Education	Joharabad	Information Technology
1003	NGIRI-2023-21585	"IOT based weather sensor System"	University of Education	Joharabad	Computer Science & IT
1004	NGIRI-2023-22256	'Feedback Analyzer'	University of Education	Main	Information Technology
1005	NGIRI-2023-18049	'Smart rebotic car'	University of Education	Multan	Information Technology
1006	NGIRI-2023-18185	'Autonomous Firefighting Robot with GSM Technology'	University of Education	Multan	Information Technology
1007	NGIRI-2023-18189	'Magnetic Smart Lock For Personal Security'	University of Education	Multan	Information Technology
1008	NGIRI-2023-20198	'E-Service Application'	University of Education	Multan	Information Technology
1009	NGIRI-2023-22020	'SMART CONTROL OF TRAFFIC SIGNALS SYSTEM USING ARTIFICIAL INTELLIGENCE'	University of Education	Township	Computer Science & IT
1010	NGIRI-2023-22036	'Fire Guard'	University of Education	Township	Information Technology
1011	NGIRI-2023-22979	'IoT Based Water Spray & Pest Control Agriculture Robot'	University of Education	Township	Computer Science & IT
1012	NGIRI-2023-16745	'Designing of the Temperature Controller for Nano Fluid Cooled Simulated Processor '	University of Engineering & Technology, Lahore	Faisalabad	Mechatronics Engineering
1013	NGIRI-2023-16878	'Renewable Power Generation via Animate Prime Movers'	University of Engineering & Technology, Lahore	Faisalabad	Electrical/Electronics Engineering
1014	NGIRI-2023-16961	'Electrically assisted bicycle with self charge mechanism '	University of Engineering & Technology, Lahore	Faisalabad	Electrical Power Engineering
1015	NGIRI-2023-16964	"Wireless Electric vehicles charging system"	University of Engineering & Technology, Lahore	Faisalabad	Electrical Power Engineering
1016	NGIRI-2023-17074	'Colour dosing system '	University of Engineering & Technology, Lahore	Faisalabad	Electrical Engineering
1017	NGIRI-2023-18421	'Design of a variable steering ratio using steer-by-wire vehicle'	University of Engineering & Technology, Lahore	Faisalabad	Electrical/Electronics Engineering
1018	NGIRI-2023-19847	'SMART ROBOTIC WALKER FOR ELDERS'	University of Engineering & Technology, Lahore	Faisalabad	Mechatronics Engineering
1019	NGIRI-2023-19866	'Development of Low Cost Portable Optical Motion Capture System for Diagnosis of Parkinsons Disease'	University of Engineering & Technology, Lahore	Faisalabad	Mechatronics Engineering
1020	NGIRI-2023-19878	'Design, Development and Control of 3 DOF COBOT'	University of Engineering & Technology, Lahore	Faisalabad	Mechatronics Engineering

#	FYP Code	FYP Title	University	Campus	Department
1021	NGIRI-2023-19946	'IOT Based Smart Irrigation System Using Dual Power Source'	University of Engineering & Technology, Lahore	Faisalabad	Electrical Engineering
1022	NGIRI-2023-21740	'Smart Distribution Automation and Monitoring Systems (SDAMS)'	University of Engineering & Technology, Lahore	Faisalabad	Electrical/Electronics Engineering
1023	NGIRI-2023-21855	'Autonomous Medical Assistant '	University of Engineering & Technology, Lahore	Faisalabad	Electrical/Electronics Engineering
1024	NGIRI-2023-17768	'Solar Panel Health Diagnostics using Machine Learning Algorithm via Capacitor Voltage Divider Method'	University of Engineering & Technology, Lahore	Kala Shah Kaku	Electrical Engineering
1025	NGIRI-2023-21170	'Rehabilitative End effector Device for Smart Supportive Therapy REST'	University of Engineering & Technology, Lahore	Kala Shah Kaku	Biomedical Engineering
1026	NGIRI-2023-21489	'loT based Three Phase Fault Analysis System with auto reset on temporary fault and permanent trip otherwise'	University of Engineering & Technology, Lahore	Kala Shah Kaku	Electrical/Electronics Engineering
1027	NGIRI-2023-16806	'Design, Analysis and implemention of Level 2 Electric Vehicle Charger '	University of Engineering & Technology, Lahore	Lahore	Electrical Engineering
1028	NGIRI-2023-18670	'Acquisition and Analysis of Wrist Pulse Signals for Disease Diagnosis'	University of Engineering & Technology, Lahore	Lahore	Computer Engineering
1029	NGIRI-2023-18679	'Wireless ECG Based Diagnosis System'	University of Engineering & Technology, Lahore	Lahore	Computer Engineering
1030	NGIRI-2023-19891	'Electrically Controlled Smart Coalification'	University of Engineering & Technology, Lahore	Lahore	Electrical Engineering
1031	NGIRI-2023-20734	'IoT-based Smart Dairy Farming'	University of Engineering & Technology, Lahore	Lahore	Computer Science
1032	NGIRI-2023-21114	'Smart Patient Shifter between Beds and Stretchers'	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering
1033	NGIRI-2023-21382	'Design Optimization and Fabrication of Multi Purpose Blasting Spray Robot '	University of Engineering & Technology, Lahore	Lahore	Mechanical Engineering
1034	NGIRI-2023-21737	'Design and Fabrication of Floating Satellite (FLOATSAT)'	University of Engineering & Technology, Lahore	Lahore	Mechanical Engineering
1035	NGIRI-2023-21901	'Hybrid Bike Working on Regenerative Energy'	University of Engineering & Technology, Lahore	Lahore	Mechanical Engineering
1036	NGIRI-2023-21937	'Design and development of hybrid air and water cooled AC system for buildings to achieve net zero goals'	University of Engineering & Technology, Lahore	Lahore	Mechanical Engineering
1037	NGIRI-2023-22093	'Improved Development of 6 DOF robot for multi-application oriented design'	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering
1038	NGIRI-2023-16903	'HAND GESTURE RECOGNITION AND VOCALIZER SYSTEM FOR SPECIAL INDIVIDUALS'	University of Engineering & Technology, Lahore	Narowal	Electrical
1039	NGIRI-2023-17827	'Fabrication and Analysis of Prototype Bladeless Wind Turbine'	University of Engineering & Technology, Lahore	Narowal	Mechanical Engineering
1040	NGIRI-2023-20002	'ENT Diagnostic Robotic Mechanism'	University of Engineering & Technology, Lahore	Narowal	Biomedical Engineering
1041	NGIRI-2023-20005	'IOT based Knee Rehabilitation Device'	University of Engineering & Technology, Lahore	Narowal	Biomedical Engineering
1042	NGIRI-2023-20479	'Robotic Ultrasound Probe Holder'	University of Engineering & Technology, Lahore	Narowal	Biomedical Engineering
1043	NGIRI-2023-20819	'DEVELOPMENT OF WEARABLE TREMOR SUPPRESSION GLOVE FOR REHABILITATION OF PARKINSON DISEASE'	University of Engineering & Technology, Lahore	Narowal	Biomedical Engineering
1044	NGIRI-2023-17038	'Solar and Wind Energy Based Hybrid Power Generating System'	University of Engineering & Technology, Lahore	RCET Gujranwala	Electrical Engineering
1045	NGIRI-2023-17042	'Assessment of Energy Consumption and Application of Solar PV in advertising sector (Billboard)'	University of Engineering & Technology, Lahore	RCET Gujranwala	Electrical Engineering
1046	NGIRI-2023-17166	'Real time University Bus Tracking System'	University of Engineering & Technology, Lahore	RCET Gujranwala	Electrical Engineering
1047	NGIRI-2023-22510	'Thermal management and thermal runaway of litium ion battery'	University of Engineering & Technology, Lahore	RCET Gujranwala	Mechanical Engineering
1048	NGIRI-2023-22421	"Wireless charging for Electric Vehicles "	University of Engineering & Technology, Lahore	Swedish College of Engineering and Technology	Electrical Engineering
1049	NGIRI-2023-22430	'Design and fabrication of pedestal Fan with cooling effect by peltier modules'	University of Engineering & Technology, Lahore	Swedish College of Engineering and Technology	Mechanical Engineering
1050	NGIRI-2023-22448	'Vertical axis wind turbine '	University of Engineering & Technology, Lahore	Swedish College of Engineering and Technology	Mechanical Engineering
1051	NGIRI-2023-22512	'Bio composting of Horticulture and Organic waste into Manure indigenous'	University of Engineering & Technology, Lahore	Swedish College of Engineering and Technology	Mechanical Engineering
1052	NGIRI-2023-22563	'Transformer overload alert with voice announcement'	University of Engineering & Technology, Lahore	Swedish College of Engineering and Technology Swedish College of Engineering and	Electrical Engineering
	NGIRI-2023-22564	'Auto power switching mains, solar inverter of generator'	University of Engineering & Technology, Lahore	Technology Swedish College of Engineering and	Electrical Engineering
-	NGIRI-2023-22787	'three phase fault analysis with auto reset on temporary fault and permanent trip'	University of Engineering & Technology, Lahore	Technology Swedish College of Engineering and	Electrical Engineering
	NGIRI-2023-23097	'IoT based Patient monitering system'	University of Engineering & Technology, Lahore	Technology	Electrical Power Engineering
-	NGIRI-2023-17584	'Local car number plate recognition using deep learning '	University of Engineering & Technology, Peshawar	Abbottabad	Electronics Engineeering
1057	NGIRI-2023-17667	'System on Chip design using Rocket Chip Soc Generator'	University of Engineering & Technology, Peshawar	Abbottabad	Electronics Engineeering
	NGIRI-2023-19902	"IC Designing of Encrypted Data Co Processor Using Partial Homomorphic Encryption '	University of Engineering & Technology, Peshawar	Abbottabad	Electronics Engineeering
-	NGIRI-2023-20222	'Environment Health Monitoring System for Metropolitan cities through Quadcopter'	University of Engineering & Technology, Peshawar	Abbottabad	Electronics Engineeering
-	NGIRI-2023-18468	'Design and Implementation of Solar Tracking System using Arduino'	University of Engineering & Technology, Peshawar	Bannu	Electrical Engineering
$\vdash$	NGIRI-2023-18554 NGIRI-2023-18752	'An Intelligent Traffic Control System Using Image Processing '	University of Engineering & Technology, Peshawar	Bannu	Electrical Engineering
1062	NGIRI-2023-18786	'Nonlinear Sliding Mode Based Maximum Power Point Tracking Control of a Standalone Photovoltaic System'	University of Engineering & Technology, Peshawar	Bannu	Electrical Engineering
	NGIRI-2023-16786 NGIRI-2023-16981	"IOT Based Healthcare Monitoring System"	University of Engineering & Technology, Peshawar	Bannu	Electrical Engineering
	NGIRI-2023-16981 NGIRI-2023-17633	'Design and fabrication of bladeless turbine'  'Design, Analysis and Manufacturing of Dynamic hand splint by applying 3D Printing.'	University of Engineering & Technology, Peshawar  University of Engineering & Technology, Peshawar	Jalozai Jalozai	Mechanical Engineering  Mechanical Engineering
	NGIRI-2023-17901	'A Wearable Low-cost Muscle Activated Switch for Wireless Control of home appliances for the Physically	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering
-	NGIRI-2023-18261	challenged/disabled Patientså@?  'Effect of variable strength infill walls on seismic performance of an RCC Structure.'	University of Engineering & Technology, Peshawar	Jalozai	Engineering and Sciences
1068	NGIRI-2023-18266	'IoT based Smart Masjid'	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering
	NGIRI-2023-18267	'A Multi-Criteria Decision Analysis Approach to Traffic Optimization and Level of Service Improvement on GT Road	University of Engineering & Technology, Peshawar	Jalozai	Engineering and Sciences
1070	NGIRI-2023-18390	Peshawar'  'Flood monitoring system through Open cv '	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering
	NGIRI-2023-18399	"WHEAT PLANT DISEASES IDENTIFICATION THROUGH VISION TRANSFORMER"	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering
1072	NGIRI-2023-20155	'Design and Implementation of an Affordable Battery Management System (BMS) for Electric Vehicles'	University of Engineering & Technology, Peshawar	Jalozai	Electrical
	NGIRI-2023-21578	'An Artificial Intelligence based Control of Electric Bike Traction System to Maximise the Driving Range.'	University of Engineering & Technology, Peshawar	Jalozai	Electrical
	NGIRI-2023-21774	'Solar Dehydrator for Food Preservation'	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering
-	NGIRI-2023-22842	'Micro hydroelectric Power Generator'	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering
	NGIRI-2023-22042 NGIRI-2023-22917	Experimental evaluation of marble dust for the improvement of geotechnical properties of granular soil	University of Engineering & Technology, Peshawar  University of Engineering & Technology, Peshawar	Jalozai	Science & Technology
1077	NGIRI-2023-22917 NGIRI-2023-16747	'Augmented Reality Based Virtual Try Room'	University of Engineering & Technology, Peshawar  University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering
	NGIRI-2023-16873	'Design and Fabrication of Adjustable Lower Limb Exoskeleton'	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering
	NGIRI-2023-16947	Design and Patrication of Adjustable Lower Limb Exoskereton  Design and Development of Smart Robo Carrier	University of Engineering & Technology, Peshawar  University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering
	NGIRI-2023-10947	Design and Development of Smart Rodo Carrier  'FRESH AND ROTTEN FRUIT CLASSIFICATION TRACK USING DEEP LEARNING'		Peshawar	
1080	JINI-2023-10962	FRESH AND NOTIEN FRUIT CLASSIFICATION TRACK USING DEEP LEARNING	University of Engineering & Technology, Peshawar	resildWdl	Electrical Engineering

# FYP Code	FYP Title	University	Campus	Department
1081 NGIRI-2023-1697	'Design and Development of Canal Cleaning System'	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering
1082 NGIRI-2023-1838	'Detection of impuritis in milk using IoT and embedded systems'	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering
1083 NGIRI-2023-1844	'Design and Fabrication of 3D scanner using Photogrammetry technique'	University of Engineering & Technology, Peshawar	Peshawar	Industrial Electronics
1084 NGIRI-2023-1946	'Development and Automation of Lawn Mowing Mobile Robot'	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering
1085 NGIRI-2023-1985	'Additive Investigation of Fused Deposition Modeling Produced Water Vortex Turbine'	University of Engineering & Technology, Peshawar	Peshawar	Mechanical Engineering
1086 NGIRI-2023-2175	'LOAD MANAGEMENT SYSTEM FOR PEAK HOURS'	University of Engineering & Technology, Peshawar	Peshawar	Electrical Engineering
1087 NGIRI-2023-2230	'Smart Home Automation Integrated with Solar System for Efficient Use of Energy'	University of Engineering & Technology, Peshawar	Peshawar	Electrical Engineering
1088 NGIRI-2023-2287	'Real time car accident detection and alert system '	University of Engineering & Technology, Peshawar	Peshawar	Electrical Engineering
1089 NGIRI-2023-1714	'Development of Cross-Language User-Friendly Interface to Program Diverse Robotic Platforms'	University of Engineering & Technology, Taxila	Taxila	Computer Engineering
1090 NGIRI-2023-1681	"Wideband Coding Metasurfaces for Polarization control and Radar Cross Section Reduction"	University of Engineering & Technology, Mardan	Mardan	Telecom Engineering
1091 NGIRI-2023-1814	'Design and Analysis Of Compressed Air Energy Storage System as an Uninterrupted Power Supply for Small Load'	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering
1092 NGIRI-2023-1819	'Increasing Solar panel efficiency through light focusing and cooling techniques'	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering
1093 NGIRI-2023-1822	'A droplet based triboelectric generator for off grid electrical appliances'	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering
1094 NGIRI-2023-1825	'IOT BASED POWER THEFT DETECTION'	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering
1095 NGIRI-2023-2251	'Weed Detection and Removal using Autonomous Mobile Robot'	University of Gujrat	Hafiz Hayat	Electrical Engineering
1096 NGIRI-2023-2303	'DESIGN AND IMPLEMENTATION OF PROSTHETIC BIONIC ARM USING EMG TECHNOLOGY FOR DISABLED PEOPLE '	University of Gujrat	Hafiz Hayat	Electrical Engineering
1097 NGIRI-2023-2311	'Charging cycle optimization of EV Batteries using Machine Learning Techniques'	University of Gujrat	Hafiz Hayat	Electrical Engineering
1098 NGIRI-2023-1714	'High School Students Performance Predictions'	University of Malakand	Chakdara	Software Engineering
1099 NGIRI-2023-1828	'Infant Health and sleep monitoring and assistance system using IoT'	University of Malakand	Chakdara	Software Engineering
1100 NGIRI-2023-1970	'SignTalk'	University of Malakand	Chakdara	Software Engineering
1101 NGIRI-2023-2256	'Forestry Record Keeping System'	University of Malakand	Chakdara	Software Engineering
1102 NGIRI-2023-1699	'Traffic Management using Drone'	University of Management and Technology	Lahore	Electrical Engineering
1103 NGIRI-2023-1743	'Development of experimental setup for testing engine performance characteristics and using biodiesel blend with mineral diesel on the performance characteristics of diesel engine'	University of Management and Technology	Lahore	Mechanical Engineering
1104 NGIRI-2023-1760	'Skin cancer classification from dermoscopy images using deep learning algorithms '	University of Management and Technology	Lahore	Computer Science & IT
1105 NGIRI-2023-1767	'SDR-Based Search and Rescue Communication System Using LPWAN Technology'	University of Management and Technology	Lahore	Electrical Engineering
1106 NGIRI-2023-1818	'Swarm Drone'	University of Management and Technology	Lahore	Electrical Engineering
1107 NGIRI-2023-1831	'Hemiplegia Rehabilitation with Robotic Assistance: A Pathway to Enhanced Recovery'	University of Management and Technology	Lahore	Electrical Engineering
1108 NGIRI-2023-1858	Indoor Navigation System for Blind People	University of Management and Technology	Lahore	Computer Science
1109 NGIRI-2023-1987	'Virtual AR Try-ons'	University of Management and Technology	Lahore	Computer Science & IT
1110 NGIRI-2023-2050	'Smart Helmet With Fall Detection And Mobile Application'	University of Management and Technology	Lahore	Software Engineering
1111 NGIRI-2023-2119	'Ocular Disease Prediction'	University of Management and Technology	Lahore	Computer Science
1112 NGIRI-2023-2125	'AR Warrdrobe'	University of Management and Technology	Lahore	Computer Science
1113 NGIRI-2023-2141	'Design and Development of Wind Tunnel for External Flow Analysis on Different Bodies'	University of Management and Technology	Lahore	Mechanical Engineering
1114 NGIRI-2023-2179	prostnetic socket:	University of Management and Technology	Lahore	Mechanical Engineering
1115 NGIRI-2023-2181		University of Management and Technology	Lahore	Mechanical Engineering
1116 NGIRI-2023-1779	<u> </u>	University of Management and Technology	Sialkot	Computer Science
1117 NGIRI-2023-1908		University of Management and Technology	Sialkot	Computer Science
1118 NGIRI-2023-2067		University of Management and Technology	Sialkot	Electrical Engineering
1119 NGIRI-2023-1867		University of Mianwali	Main	Computer Science & IT
1120 NGIRI-2023-1878	'Multi Functional Autonomous Car'	University of Mianwali	Main	Computer Science & IT
1121 NGIRI-2023-1923		University of Mianwali	Main	Computer Science & IT
1122 NGIRI-2023-1931		University of Mianwali	Main	Computer Science & IT
1123 NGIRI-2023-2154		University of Narowal	Main	Computer Science
1124 NGIRI-2023-1705		University of Peshawar	Peshawar	Electronics
1125 NGIRI-2023-1706	'A Broad-spectrum Accident & Rescue Alarming System'	University of Peshawar	Peshawar	Electronics
1126 NGIRI-2023-2014		University of Peshawar	Peshawar	Electronics
1127 NGIRI-2023-2231	IOT Based Water Management System Using Lora	University of Peshawar	Peshawar	Electronics
1128 NGIRI-2023-1666	-	University of Sialkot, Sialkot	Sialkot	Software Engineering
1129 NGIRI-2023-1814		University of Sialkot, Sialkot	Sialkot	Computer Science & IT
1130 NGIRI-2023-1815		University of Sialkot, Sialkot	Sialkot	Computer Science & IT
1131 NGIRI-2023-2078	'Wireless Charging Desk System'	University of Sialkot, Sialkot	Sialkot	Information Technology
1132 NGIRI-2023-2096	-	University of Sialkot, Sialkot	Sialkot	Information Technology
		University of Sialkot, Sialkot	Sialkot	Information Technology
1134 NGIRI-2023-2246	'Android application for the detection and monitoring of epilepsy'	University of Sialkot, Sialkot	Sialkot	Software Engineering
1135 NGIRI-2023-2299		University of Sialkot, Sialkot	Sialkot	Computer Science
1136 NGIRI-2023-2300	Virtual Tour ' 'Assistingera'	University of Sialkot, Sialkot  University of Sialkot, Sialkot	Sialkot	Computer Science
1137 NGIRI-2023-2300		University of Sialkot, Sialkot	Sialkot	Computer Science
	'A Third Eye'	University of Sialkot, Sialkot	Sialkot	Computer Science & IT
1139 NGIRI-2023-2305		University of Sialkot, Sialkot	Sialkot	Computer Science & IT
1140 NGIRI-2023-2313	'IOT asset tracking system '	University of Sialkot, Sialkot	Sialkot	Computer Science

# FYP Code	FYP Title	University	Campus	Department
1141 NGIRI-2023-22046	'Adaptive Full Beam Headlight Dispersion Control for Safe Driving'	University of Sufism and Modern Sciences, Bhitshah Sindh	Main	Computer Science
1142 NGIRI-2023-17907	'Computational Analysis of River Swat water biota using Density Functional Theory DFT'	University of Swat	Main	Science & Technology
1143 NGIRI-2023-22305	'tomatoes diseases detection mobile application'	University of Swat	Main	Information & Communication Technology
1144 NGIRI-2023-18782	'Design of Dual Mode Electric Bicycle'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electrical
1145 NGIRI-2023-18901	'Detecting the Undetectable: A New Approach to the Blind Spot Detection for Trucks and Buses'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electrical
1146 NGIRI-2023-19063	'Cnc milling machine'	University of Technology Nowshera (Shuhada-e-APS)	Main	Mechanical Engineering
1147 NGIRI-2023-19152	'SMS Based Gas leakage Detection and Prevention System'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electrical Engineering
1148 NGIRI-2023-19181	'Patient Lifting Wheelchair'	University of Technology Nowshera (Shuhada-e-APS)	Main	Mechanical Engineering
1149 NGIRI-2023-19264	'Automatic product sorting machine'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electronics Engineeering
1150 NGIRI-2023-19305	'Su-27 RC Airplane'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electronics
1151 NGIRI-2023-19355	"Vantilator using aurdino with blood oxygen level"	University of Technology Nowshera (Shuhada-e-APS)	Main	Electronics Engineeering
1152 NGIRI-2023-19361	'Design and development of a robotic hand using EMG signals'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electrical Engineering
1153 NGIRI-2023-19385	A Deep Learning Model for BONE Fracture Detection and Classification'	University of Technology Nowshera (Shuhada-e-APS)	Main	Information Technology
1154 NGIRI-2023-20059	'Designing and developing a bionic arm for surgeons to perform tele-surgery precisely'	University of Technology Nowshera (Shuhada-e-APS)	Main	Electrical
1155 NGIRI-2023-20224	IoT smart plant monitoring system smart irrigation	University of Technology Nowshera (Shuhada-e-APS)	Main	Computer Science & IT
1156 NGIRI-2023-19011	'I scheduler and manager '	University of the Poonch	Main	Computer Science & IT
1157 NGIRI-2023-19036	'Flatter based Hostels Hub'	University of the Poonch	Main	Computer Science & IT
1158 NGIRI-2023-19541	'Three D DECOR DREAMER'	University of the Poonch	Main	Computer Science & IT
1159 NGIRI-2023-19595	'Smart eye disease detection app'	University of the Poonch	Main	Computer Science & IT
1160 NGIRI-2023-20798	'Interfacing External UART Peripheral to Rocket Core in RISC-V through AXI-lite Bridge'	University of the Poonch	Main	Electrical Engineering
1161 NGIRI-2023-21099	'Conversion of conventional greenhouse to smart greenhouse for sustainable crop development '	University of the Poonch	Main	Electrical Engineering
1162 NGIRI-2023-21303	'VLSI Design and Implementation of CSD DA based IIR Digital Filter'	University of the Poonch	Main	Electrical Engineering
1163 NGIRI-2023-21621	'IoT Based Smart Granular Structured Grocery Items Management System'	University of the Poonch	Main	Electrical Engineering
1164 NGIRI-2023-16823	RoboFertilizer	University of Wah	Quaid	Computer Science
1165 NGIRI-2023-16837	'Smart Helmet for Mining Industry'	University of Wah	Quaid	Computer Science
1166 NGIRI-2023-16867	'lot based Accident prevention using alcohol and eye blink sensor in vehicles'	University of Wah	Quaid	Computer Science
1167 NGIRI-2023-16904	'IoT based Smart Glove for Paralyzed People'	University of Wah	Quaid	Computer Science
1168 NGIRI-2023-16908	'VCCS (Vehicle Customer Care Services)'	University of Wah	Quaid	Computer System
1169 NGIRI-2023-17896	'IOT based energy theft detection and location identification for single phase distribution system'	University of Wah	Wah Engineering College	Electrical
1170 NGIRI-2023-17928	'Design and development of smart accident detection and prevention system'	University of Wah	Wah Engineering College	Electrical
1171 NGIRI-2023-18014	'Design and Development of Intelligent Energy Meter using GSM Modem.'	University of Wah	Wah Engineering College	Electrical
1172 NGIRI-2023-18076	'Design & Development of Remote Oil Well Monitoring System for Oil and Gas Industry'	University of Wah	Wah Engineering College	Mechatronics Engineering
1173 NGIRI-2023-18177	'Design and Development of Tele-operated Solar Powered Grass Cutting Robot.'	University of Wah	Wah Engineering College	Mechatronics Engineering
1174 NGIRI-2023-18178	'Designing of bi-directional energy meter for measuring reverse power flow '	University of Wah	Wah Engineering College	Electrical Engineering
1175 NGIRI-2023-18229	'Design and Development of voice and gesture control smart wheel chair for specially abeleb persons using dc motors'	University of Wah	Wah Engineering College	Electrical Engineering
1176 NGIRI-2023-18271	'Automatic Power Factor Correction For Inductive Load'	University of Wah	Wah Engineering College	Electrical Engineering
1177 NGIRI-2023-18413	'DESIGN, CFD ANALYSIS, DEVELOPMENT & DEMO OF RECONNAISSANCE UNMANNED AERIAL VEHICLE'	University of Wah	Wah Engineering College	Mechanical Engineering
1178 NGIRI-2023-18414	'DESIGN AND FABLICATION OF PLUG IM AND PLAY DESALINATION SYSTEM'	University of Wah	Wah Engineering College	Mechanical Engineering
1179 NGIRI-2023-18424	'Solar powered multifunctional robotic vehicle '	University of Wah	Wah Engineering College	Electrical Engineering
1180 NGIRI-2023-18447	'Design and fabrication of dock levelers system for ware house.'	University of Wah	Wah Engineering College	Mechanical Engineering
1181 NGIRI-2023-18690	'Investigation of the Mechanical Properties of 3D Printed Composites Reinforced with Fiberglass'	University of Wah	Wah Engineering College	Mechanical Engineering
1182 NGIRI-2023-17204	'Town Water Management System'	Usman Institute of Technology	Karachi	Computer Science
1183 NGIRI-2023-17877	'Water Storage and Distribution System for Pharmaceuticals using PLC and SCADA'	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering
1184 NGIRI-2023-17957	'Industrial Sorting Machine'	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering
1185 NGIRI-2023-18528	'Smart Fitness Mirror'	Usman Institute of Technology	Karachi	Electrical Engineering
1186 NGIRI-2023-18586	'Rssi Based Indoor Localization By Comparing Triangulation and Trilateration'	Usman Institute of Technology	Karachi	Telecom Engineering
1187 NGIRI-2023-18641	'CNC Farming Machine '	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering
1188 NGIRI-2023-18769	'Transcutaneous electrical nerve stimulation '	Usman Institute of Technology	Karachi	Electrical Power Engineering
1189 NGIRI-2023-19130	'Automated Pharmacy'	Usman Institute of Technology	Karachi	Electronics Engineeering
1190 NGIRI-2023-19468	'LiDar Based Drone For Contour Survey'	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering
1191 NGIRI-2023-19518	'ROS Based Tutor for Autism Impaired Children '	Usman Institute of Technology	Karachi	Electrical Engineering
1192 NGIRI-2023-19516	**Intelligent traffic control system **	Usman Institute of Technology	Karachi	Electrical
1193 NGIRI-2023-20071	'UIT EBOT Intelligent Assistant for FAQs and IOT Based Automation '	Usman Institute of Technology	Karachi	Computer System Engineering
1194 NGIRI-2023-20077	"Virtual Reality based Heavy Truck Vehicle Driving Simulator"	Usman Institute of Technology	Karachi	Computer System  Computer System
1194 NGIRI-2023-20077	virtual keality dased Heavy Truck Vehicle Driving Simulator  'Portabke Electric Bicycle Kit'	Usman Institute of Technology  Usman Institute of Technology	Karachi	Electronics Engineeering
1195 NGIRI-2023-20246 1196 NGIRI-2023-20306	*			
1196 NGIRI-2023-20306 1197 NGIRI-2023-20310	Van Der Pauw Hall Effect '  "Single Lieo Transmission'	Usman Institute of Technology	Karachi	Electronics Engineeering
1197 NGIRI-2023-20310	'Single Line Transmission '	Usman Institute of Technology	Karachi	Electrical Engineering
	'Al based IDS and IPS'	Usman Institute of Technology	Karachi	Computer Engineering
1199 NGIRI-2023-21142	'GreenGenie'	Usman Institute of Technology	Karachi	Software Engineering
1200 NGIRI-2023-21188	'Adventour and Guide'	Usman Institute of Technology	Karachi	Software Engineering

# National Grassroot ICT Research Initivative 2022-23 **Shortlisted FYPs** 1201 NGIRI-2023-21899 'Gadget Based Voice Translator' man Institute of Technology rachi Computer Science 1202 NGIRI-2023-19026 Computer Science & IT 1203 NGIRI-2023-19041 Computer Science & IT 1204 NGIRI-2023-19115 veterinary management system ' Computer System 1205 NGIRI-2023-19369 Computer Science 1206 NGIRI-2023-19447 'Diabetes prediction by using machine learning' Computer Science & IT 1207 NGIRI-2023-23132 'Master Mind game' Computer Science & IT 1208 NGIRI-2023-16691 'Renewable Energy Generation using Vertical Axis Wind Turbine' auddin University, ZUFEST 1209 NGIRI-2023-17160 1210 NGIRI-2023-17559 1211 NGIRI-2023-17693 1212 NGIRI-2023-17980 'Automated plant health and Pest control system' 1213 NGIRI-2023-18611 'Text Analysis-Based Detection System for Cyberbullying on Social Media' 1214 NGIRI-2023-18613 'Detection and Tracking of Counterfeit Product using Blockchain and IOT' 1215 NGIRI-2023-19566 1216 NGIRI-2023-19627

North Nazimabad

Electrical

'Alert For Safety Violations: Detection of Personal Protective Equipment (PPE)'