

National Grassroots ICT Research Initiative 2020-21

Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
1	NGIRI-2021-6746	Abasyn University	Islamabad	Electrical Engineering	Development of high power amplifier for ground station of Geostationary satellite
2	NGIRI-2021-6827	Abasyn University	Islamabad	Electrical Engineering	Design of a GaN HEMT Based single phase inverter
3	NGIRI-2021-8392	Abbottabad University of Science And Technology	Havelian	Computer Science	IoT Based Smart Agriculture System
4	NGIRI-2021-8833	Abbottabad University of Science And Technology	Havelian	Computer Science	Vehicle Accident Prevention System for blind curve roads
5	NGIRI-2021-8920	Abbottabad University of Science And Technology	Havelian	Computer Science	Smart Accurate Parking
6	NGIRI-2021-8939	Abbottabad University of Science And Technology	Havelian	Computer Science	KIDS TALKING DICTIONARY WITH IMAGES
7	NGIRI-2021-9064	Abbottabad University of Science And Technology	Havelian	Computer Science	Smart glove
8	NGIRI-2021-8959	Abbottabad University of Science And Technology	Havelian	Computer Science & IT	Smart Water Tank an IoT based Android Application
9	NGIRI-2021-9066	Abbottabad University of Science And Technology	Havelian	Computer Science & IT	QR Attendance System
10	NGIRI-2021-9135	Abbottabad University of Science And Technology	Havelian	Computer Science & IT	THEFT DETECTION SYSTEM IOT
11	NGIRI-2021-9163	Abbottabad University of Science And Technology	Havelian	Computer Science & IT	Moisture detection and water control
12	NGIRI-2021-9324	Abbottabad University of Science And Technology	Havelian	Computer Science & IT	Hajj application
13	NGIRI-2021-8987	Abbottabad University of Science And Technology	Havelian	Information Technology	Android Based Lase Light Security System
14	NGIRI-2021-6548	Abdul Wali Khan University	Mardan	Computer Science	A Motion Detecting System for Room Lights.
15	NGIRI-2021-6909	Abdul Wali Khan University	Mardan	Computer Science	Cloud Based Monitoring Smart Room With IOT Devices
16	NGIRI-2021-7536	Abdul Wali Khan University	Mardan	Computer Science	Smart Mirror Control With Gesture Using AI
17	NGIRI-2021-9846	Abdul Wali Khan University	Mardan	Computer Science	A Cloud Based IOT Platform for Smart Farming
18	NGIRI-2021-8979	Air University	Islamabad	Computer Engineering	Socially Aware Smart Robot
19	NGIRI-2021-6616	Air University	Islamabad	Computer Science	Heart disease detection using deep learning and ECG data
20	NGIRI-2021-6638	Air University	Islamabad	Computer Science	Detecting Food Freshness through Machine Learning and Image Processing
21	NGIRI-2021-9216	Air University	Islamabad	Computer Science	X Ray Based Pneumonia Detection
22	NGIRI-2021-9770	Air University	Islamabad	Computer Science	'A VRML Based 3D Virtual Store for Buying and Selling'
23	NGIRI-2021-7162	Air University	Islamabad	Electrical Engineering	Synchronous Condenser and PIC Microcontroller Based Smart Power Correction System
24	NGIRI-2021-7823	Air University	Islamabad	Electrical Engineering	DFIM based Wind Turbine
25	NGIRI-2021-9682	Air University	Islamabad	Electrical Engineering	'Automatic Accident Detection and Security Theft System'
26	NGIRI-2021-9975	Air University	Islamabad	Electrical Engineering	'Designing and Development of IOT Based physiological Health Monitoring System'
27	NGIRI-2021-10461	Air University	Islamabad	Electrical Engineering	'Design and Development of Zero Energy Buildings based on indigenously available solar and waste sewerage water'
28	NGIRI-2021-10388	Air University	Islamabad	Electrical Power Engineering	'Hybrid UPS based on Supercapacitor Energy Storage and Adjustable Speed Generator for Military and Medical Applications'
29	NGIRI-2021-10421	Air University	Islamabad	Electrical Power Engineering	'Building-integrated photovoltaic-thermal system with a Bi-reflector PV system with Grid Tie Inverter'
30	NGIRI-2021-6712	Air University	Islamabad	Electrical/Electronics Engineering	Vision Based Cotton Picking Robot
31	NGIRI-2021-7732	Air University	Islamabad	Mechanical Engineering	Design and Fabrication of Dual Axis Solar Tracker Incorporated with camera Sensing Technology
32	NGIRI-2021-7936	Air University	Islamabad	Mechanical Engineering	Design and Fabrication of Fully Automated Syrup Making, Filling and Capping Plant
33	NGIRI-2021-8762	Air University	Islamabad	Mechanical Engineering	Design and Fabrication of Quality Control and Inspection Machine Based on Computer Vision
34	NGIRI-2021-9615	Air University	Islamabad	Mechanical Engineering	'DESIGN AND STRUCTURAL OPTIMIZATION OF SMALL SCALE HORIZONTAL AXIS WIND TURBINE (HAWT)'
35	NGIRI-2021-10403	Air University	Islamabad	Mechanical Engineering	'Floating Moored Platform Position Control System with Thrusters to Minimize Drift and Deviation'
36	NGIRI-2021-6928	Air University	Islamabad	Mechatronics Engineering	Bio Hybrid Electric Vehicle
37	NGIRI-2021-7003	Air University	Islamabad	Science & Technology	Autonomous Device for Obstacles Detection
38	NGIRI-2021-6696	Air University	Multan	Computer Science	Smart Soil Monitoring System
39	NGIRI-2021-7515	Air University	Multan	Computer Science	Smart Tender System
40	NGIRI-2021-8553	Air University	Multan	Computer Science	Smart Home Watering System To Save Water And Plants
41	NGIRI-2021-8574	Air University	Multan	Computer Science	Smart Attendance using face recognition
42	NGIRI-2021-8636	Air University	Multan	Computer Science	Blockchain based Platform for Management of Educational Certificates
43	NGIRI-2021-8851	Al-Hamd Islamic University	Quetta	Computer Science	Hand Gesture Control Wheelchair for Disabled People
44	NGIRI-2021-10335	Al-Hamd Islamic University	Quetta	Computer Science	Pick and Place Robow Car
45	NGIRI-2021-7188	Allama Iqbal Open University	Main	Computer Science	Real time Person's Drowsiness Detection (Through deep learning)
46	NGIRI-2021-7266	Allama Iqbal Open University	Main	Computer Science	Accident Alert System in Vehicles
47	NGIRI-2021-8471	Allama Iqbal Open University	Main	Computer Science	Dhobi_Ghat.pk
48	NGIRI-2021-7028	Bahauddin Zakariya University	Main	Computer Science	Online smart doctor appointment system.
49	NGIRI-2021-7030	Bahauddin Zakariya University	Main	Computer Science	PropertyHub online property dealing
50	NGIRI-2021-7389	Bahauddin Zakariya University	Main	Computer Science	BZU Bus Tracking System
51	NGIRI-2021-9815	Bahauddin Zakariya University	Main	Computer Science	'e-Notice App'
52	NGIRI-2021-6753	Bahria University	Islamabad	Computer Engineering	identification of human emotions from EEG signals Using Deep Learning Model

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53	NGIRI-2021-6785	Bahria University	Islamabad	Computer Engineering	i-CANe
54	NGIRI-2021-6795	Bahria University	Islamabad	Computer Engineering	Advance Car Security System
55	NGIRI-2021-6854	Bahria University	Islamabad	Computer Engineering	Suspect detection and tracking through image processing
56	NGIRI-2021-7504	Bahria University	Islamabad	Computer Engineering	Shoes For Visually Impaired Person
57	NGIRI-2021-9935	Bahria University	Islamabad	Computer Science	'Self Driving Car '
58	NGIRI-2021-7337	Bahria University	Islamabad	Computer System Engineering	Air quality Surveillance
59	NGIRI-2021-7192	Bahria University	Islamabad	Electrical	Automated Breakpoint Analysis of Grounding Grid Using IoT and Derivative Method
60	NGIRI-2021-6853	Bahria University	Islamabad	Electrical Engineering	Two wheel Jumping Robot JUMPBOT
61	NGIRI-2021-6978	Bahria University	Islamabad	Electrical Engineering	AI BASED TOMATO HARVESTING ROBOT
62	NGIRI-2021-7035	Bahria University	Islamabad	Electrical Engineering	IoT Based Heart Attack Monitoring and Prediction System
63	NGIRI-2021-7204	Bahria University	Islamabad	Electrical Engineering	Automatic Cradle System for Infant Care
64	NGIRI-2021-7263	Bahria University	Islamabad	Electrical Engineering	Crop Monitoring and Protection System
65	NGIRI-2021-6861	Bahria University	Islamabad	Electrical/Electronics Engineering	Design, Fabrication and Control of a semi-Autonomous Unmanned Underwater Vehicle (USV) for Ocean exploration
66	NGIRI-2021-8289	Bahria University	Islamabad	Software Engineering	Smart Water Management System for Domestic Use
67	NGIRI-2021-6767	Bahria University	Karachi	Computer Engineering	EYE TRACKING BASED SMART ROOM AUTOMATION SYSTEM
68	NGIRI-2021-6768	Bahria University	Karachi	Computer Engineering	Utility Unmanned Aerial Vehicle
69	NGIRI-2021-7092	Bahria University	Karachi	Computer Engineering	Customized pattern & wall painting robot
70	NGIRI-2021-7327	Bahria University	Karachi	Computer Engineering	Gyro Accelerometer Robotic Arm for Bomb Defusing
71	NGIRI-2021-7391	Bahria University	Karachi	Computer Engineering	Voice Automated Wheelchair
72	NGIRI-2021-7315	Bahria University	Karachi	Computer Science	E Voting System
73	NGIRI-2021-7316	Bahria University	Karachi	Computer Science	IOT based Respiration Measurement system for COVID Patients
74	NGIRI-2021-7322	Bahria University	Karachi	Computer Science	Solar panel rotation with sunlight
75	NGIRI-2021-7356	Bahria University	Karachi	Computer Science	CLOUD ROBOTICS USING RASPBERRY PI
76	NGIRI-2021-7372	Bahria University	Karachi	Computer Science	Smart Chair for Monitoring of Sitting Behavior
77	NGIRI-2021-7344	Bahria University	Karachi	Computer Science & IT	A REAL TIME EVALUATION OF HOSPITAL RESOURCES FOR THE COVID-19 PATIENTS
78	NGIRI-2021-7431	Bahria University	Karachi	Computer Science & IT	TRAFFIC LIGHT AND SIGNS DETECTION AND CONTROLLING VEHICLES USING DEEP LEARNING
79	NGIRI-2021-9424	Bahria University	Karachi	Computer Science & IT	REAL TIME MONITORING OF PUBLIC PLACE TO PROTECT PEOPLE FROM A SUSPECTED COVID-19 PATIENT.
80	NGIRI-2021-6708	Bahria University	Karachi	Electrical Engineering	Automation of Cooling Tower
81	NGIRI-2021-7362	Bahria University	Karachi	Electrical Engineering	SELF SUSTAINABLE NON-TOXIC LOCUSTS CONTROL USING ELECTRIC FIELD & REMOTE MONITRING USING ANDROID APPLICATION
82	NGIRI-2021-7365	Bahria University	Karachi	Electrical Power Engineering	Life estimation of ceramic insulators in costal areas using predictive model based on weather conditions
83	NGIRI-2021-7363	Bahria University	Karachi	Information Technology	Penetration Testing Tool Based On Android
84	NGIRI-2021-7456	Bahria University	Karachi	Information Technology	An IoT Based monitoring of a Covid patient during quarantine
85	NGIRI-2021-7613	Bahria University	Karachi	Software Engineering	EventBroker
86	NGIRI-2021-7688	Bahria University	Karachi	Software Engineering	Facial Id Attendance System
87	NGIRI-2021-8138	Bahria University	Karachi	Software Engineering	Smart Parking System
88	NGIRI-2021-8155	Bahria University	Karachi	Software Engineering	Galli Muhalla
89	NGIRI-2021-10065	Bahria University	Karachi	Software Engineering	'Crime Prediction and Analysis System'
90	NGIRI-2021-6957	Bahria University	Lahore	Computer Science	Autonomous Restaurant Service Robot & Food Ordering Mobile Application
91	NGIRI-2021-7617	Bahria University	Lahore	Computer Science	Smart Invigilator
92	NGIRI-2021-8452	Bahria University	Lahore	Computer Science	Dementia Patient Tracker
93	NGIRI-2021-8990	Bahria University	Lahore	Computer Science	Face Mask And Social Distancing Detection System
94	NGIRI-2021-9946	Bahria University	Lahore	Computer Science	'Automated Car'
95	NGIRI-2021-7125	Bahria University	Lahore	Computer Science & IT	Tahafuz
96	NGIRI-2021-9092	Bahria University	Lahore	Computer Science & IT	Autonomous Suitcase with Smart IoT solution
97	NGIRI-2021-10161	Balochistan University of Engineering and Information Technology	Khuzdar	Computer System Engineering	'Using Artificial Intelligence for Monitoring Students Academic Performance in Higher Education'
98	NGIRI-2021-10516	Balochistan University of Engineering and Information Technology	Khuzdar	Electrical Engineering	'Security Access Control Using Radio Frequency Identification RFID'
99	NGIRI-2021-7634	Balochistan University of Engineering and Information Technology	Khuzdar	Mechanical Engineering	Fabrication of Refrigeration system using (L.P.G) Liquefied Petroleum Gas as a Refrigerant.
100	NGIRI-2021-10498	Balochistan University of Engineering and Information Technology	Khuzdar	Mechanical Engineering	'Advance Solar Water Desalination plant for Coastal and Arid Areas of Pakistan'
101	NGIRI-2021-6923	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering	Brain Computer Interface based Smart Keyboard using Neurosky Mindwave Headset
102	NGIRI-2021-8561	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Computer Engineering	Methane Gas detecton and Damage Prevention System
103	NGIRI-2021-7140	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electrical Engineering	ELECTROENCEPHALOGRAPHY CONTROL WHEELCHAIR USING DEEP LEARNING
104	NGIRI-2021-9464	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics	Visual stabilization for snake like robot
105	NGIRI-2021-7115	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineering	Smart Atmospheric water generator for drinking water

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106	NGIRI-2021-7317	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineering	Vision based Smart Decisions for MultiTerrain WhegRoach Robot
107	NGIRI-2021-7481	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineering	MODELIG AND ANALYSIS OF EFFICIENT WIRELESS POWER TRANSSION SYSTEM
108	NGIRI-2021-9626	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineering	'Prosthetic Hand with Expanded Gestures Using Sequential AI Models '
109	NGIRI-2021-10442	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Electronics Engineering	'A Charge Controller with Integrated Battery Management System for stand alone Application '
110	NGIRI-2021-9581	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Engineering and Sciences	'Ultrasonic adsorption of coloring dyes by using modified biochar from spent tea'
111	NGIRI-2021-10275	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Engineering and Sciences	'Design and fabrication of pilot scale plant for biodiesel production from soybean'
112	NGIRI-2021-6719	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information & Communication Technology	SMART GLASSES FOR VISUALLY IMPAIRED USING DEEP LEARNING
113	NGIRI-2021-9747	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology	'DESIGN AND DEVELOPMENT OF A SELF-BALANCING ROBOT AUTONOMOUS VEHICLE THROUGH THE APPLICATION OF PID CONTROLLER'
114	NGIRI-2021-9934	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Information Technology	'Saman'
115	NGIRI-2021-7567	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Software Engineering	AR Home Designer
116	NGIRI-2021-9697	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Software Engineering	'Symptoms checker'
117	NGIRI-2021-10021	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Software Engineering	'Digital Marketing Automation'
118	NGIRI-2021-7942	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Telecom Engineering	Design of Sub 6 GHz Smart Glasses Antennas
119	NGIRI-2021-8507	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Telecom Engineering	Intelligent Reflecting surface vs. decode & forward relay in two way communication
120	NGIRI-2021-8645	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Telecom Engineering	Smart IOT based healthcare support for remote patient monitoring during COVID-19 quarantine
121	NGIRI-2021-8772	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Telecom Engineering	A Compact Milli-meter Wave Antenna for 5G Broadband Applications
122	NGIRI-2021-8871	Balochistan University of Information Technology, Engineering & Management Sciences	Quetta	Telecom Engineering	UAV Based Air Quality Monitoring System
123	NGIRI-2021-8358	Barret Hodgson University	The Salim Habib	Biomedical Engineering	A Smart Telerehabilitation Mirror for Stroke Patients
124	NGIRI-2021-9607	Benazir Bhutto Shaheed University of Technology & Skill Development	Main	Electronics	'Solar powered intelligent composting machine for Agricultural waste.'
125	NGIRI-2021-10083	Benazir Bhutto Shaheed University of Technology & Skill Development	Main	Electronics Engineering	'Design a wireless controlled moveable robot to measure precautions of covid-19 with real time camera surveillance'
126	NGIRI-2021-10099	Benazir Bhutto Shaheed University of Technology & Skill Development	Main	Electronics Engineering	'Hand Motion Controlled Robotic Vehicle'
127	NGIRI-2021-10228	Capital University of Science and Technology	Main	Bio-Informatics	'Biodegradable plastic '
128	NGIRI-2021-10486	Capital University of Science and Technology	Main	Bio-Informatics	'Bio sensors'
129	NGIRI-2021-6971	Capital University of Science and Technology	Main	Electrical Engineering	DESIGN OF MECHANICAL VENTILATOR FOR BREATHING PURPOSES
130	NGIRI-2021-7135	Capital University of Science and Technology	Main	Electrical Engineering	Falcon Dot D Autonomous Delivery Hexacopter
131	NGIRI-2021-7137	Capital University of Science and Technology	Main	Electrical Engineering	Indoor Guidance and delivery robot
132	NGIRI-2021-7538	Capital University of Science and Technology	Main	Electrical Engineering	Smart Communication Drone for Signal Propagation
133	NGIRI-2021-9436	Capital University of Science and Technology	Main	Electrical Engineering	Solar-Wind Hybrid Power Unit for Metro Stations
134	NGIRI-2021-6873	Capital University of Science and Technology	Main	Mechanical Engineering	Steam Ejector Refrigeration System Test Bench
135	NGIRI-2021-7269	Capital University of Science and Technology	Main	Mechanical Engineering	Automatic Rotary Bike Parking system
136	NGIRI-2021-7464	Capital University of Science and Technology	Main	Mechanical Engineering	Levitating Frictionless Vertical Windmill
137	NGIRI-2021-7516	Capital University of Science and Technology	Main	Mechanical Engineering	Design, Analysis & manufacturing of Thermal power fluctuations damping unit for waste heat recovery systems.
138	NGIRI-2021-10518	Capital University of Science and Technology	Main	Mechanical Engineering	'DESIGN AND DEVELOPMENT OF WALL CLIMBING ROBOT FOT ROUGH AND IRREGULAR SURFACES'
139	NGIRI-2021-10094	CECOS University of IT & Emerging Sciences	Peshawar	Biomedical Engineering	'Fabrication of Nano Based Water Filters'
140	NGIRI-2021-9873	CECOS University of IT & Emerging Sciences	Peshawar	Computer Science	'Real-time smart water dispenser'
141	NGIRI-2021-10014	CECOS University of IT & Emerging Sciences	Peshawar	Electrical	'Lithium ion battery powered electric bike'
142	NGIRI-2021-6848	CECOS University of IT & Emerging Sciences	Peshawar	Electrical Engineering	Hybrid energy generation by solar and piezoelectric transducer with smart iot based monitoring system
143	NGIRI-2021-7242	CECOS University of IT & Emerging Sciences	Peshawar	Electrical Engineering	4 Element MIMO Antenna for multiband Application
144	NGIRI-2021-7863	CECOS University of IT & Emerging Sciences	Peshawar	Electrical Engineering	bioluminous diseases detecting device
145	NGIRI-2021-9542	CECOS University of IT & Emerging Sciences	Peshawar	Electrical Engineering	'IOT based Controlling and monitoring fire and smoke system in BRT'

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S.No	FYP Code	University	Campus	Department	Project Title
146	NGIRI-2021-9778	CECOS University of IT & Emerging Sciences	Peshawar	Electrical Engineering	'Package delivery Drone'
147	NGIRI-2021-7020	CECOS University of IT & Emerging Sciences	Peshawar	Mechanical Engineering	Stir Casting Machine
148	NGIRI-2021-7142	CECOS University of IT & Emerging Sciences	Peshawar	Mechanical Engineering	Drive system optimization of Bio-hybrid vehicle
149	NGIRI-2021-7972	CECOS University of IT & Emerging Sciences	Peshawar	Mechanical Engineering	Indigenous Aluminum Container Making Machine
150	NGIRI-2021-9415	CECOS University of IT & Emerging Sciences	Peshawar	Mechanical Engineering	Polymer blending and extrusion machine
151	NGIRI-2021-9546	CECOS University of IT & Emerging Sciences	Peshawar	Science & Technology	'Assessment of genotoxicity of cobalt doped zinc oxide nanoparticles'
152	NGIRI-2021-6965	CECOS University of IT & Emerging Sciences	Peshawar	Software Engineering	High-Performance Computing Cluster Using Raspberry Pi Nodes
153	NGIRI-2021-9480	City University of Science & Information Technology	Peshawar	Computer Science	Smart stress detection
154	NGIRI-2021-9749	City University of Science & Information Technology	Peshawar	Computer Science	'Safe for Health'
155	NGIRI-2021-7313	City University of Science & Information Technology	Peshawar	Electrical Engineering	smart device for instant billing and load management system for appliances and accommodations areas
156	NGIRI-2021-9997	COMSATS University of Information Technology	Abbottabad	Computer Science	'Autonomous Self-Driving Robot For Parcel/Letters Delivery'
157	NGIRI-2021-10015	COMSATS University of Information Technology	Abbottabad	Computer Science	'Sensor Data Fusion for Precision Agriculture '
158	NGIRI-2021-6669	COMSATS University of Information Technology	Abbottabad	Electrical Power Engineering	Augmented Reality based training and fault monitoring system for machines
159	NGIRI-2021-6670	COMSATS University of Information Technology	Abbottabad	Electrical/Electronics Engineering	Intelligent surveillance system
160	NGIRI-2021-9421	COMSATS University of Information Technology	Attock	Computer Engineering	An AI Framework for Speech Recognition based CAMPUS Navigation Platform
161	NGIRI-2021-9575	COMSATS University of Information Technology	Attock	Computer Engineering	'Toll tax collection with image based vehicle type and license plate recognition system using deep learning'
162	NGIRI-2021-9591	COMSATS University of Information Technology	Attock	Computer Engineering	'Physical Activity Recognition and Tracking of Diabetic Patients using Wearable Sensors'
163	NGIRI-2021-10306	COMSATS University of Information Technology	Attock	Computer Engineering	'IoT Based Smart City Parking System'
164	NGIRI-2021-10686	COMSATS University of Information Technology	Attock	Computer Science	'TeleView'
165	NGIRI-2021-9390	COMSATS University of Information Technology	Attock	Electrical Engineering	Wearable IoT and Geo-fencing-based Platform for Monitoring and Isolation of Severe Acute Respiratory Syndrome Patients
166	NGIRI-2021-9700	COMSATS University of Information Technology	Attock	Electrical Engineering	'IoT-based platform for Intensive Care Unit Remote Monitoring and Controlling'
167	NGIRI-2021-10658	COMSATS University of Information Technology	Attock	Electrical Engineering	'Emergency vehicle priority and traffic light control at intersection using IoT'
168	NGIRI-2021-6562	COMSATS University of Information Technology	Lahore	Computer Engineering	3D Modeling and Printing for Dental Assistance
169	NGIRI-2021-7402	COMSATS University of Information Technology	Lahore	Computer Engineering	Deployment of WSN and IOT platform for the implementation of smart dairy
170	NGIRI-2021-9267	COMSATS University of Information Technology	Lahore	Computer Engineering	An Intelligent Health Assessment System for Crops Using Drone
171	NGIRI-2021-9993	COMSATS University of Information Technology	Lahore	Computer Engineering	'E-Health Monitoring System for Life Style Disorder'
172	NGIRI-2021-6600	COMSATS University of Information Technology	Lahore	Computer Science	FMAT Analyzation System
173	NGIRI-2021-8219	COMSATS University of Information Technology	Lahore	Computer Science	Activity Recognition in Industry 4.0
174	NGIRI-2021-10586	COMSATS University of Information Technology	Lahore	Computer Science	'Physio Aid'
175	NGIRI-2021-10637	COMSATS University of Information Technology	Lahore	Computer Science	'Thought to Text Conversion Using BCI Based Smart Glasses'
176	NGIRI-2021-10667	COMSATS University of Information Technology	Lahore	Computer Science	'An Intelligent Life-Logging System for Alzheimer patients using BCI based Smart Glasses'
177	NGIRI-2021-7398	COMSATS University of Information Technology	Lahore	Electrical	An IOT Based Fuzzy Logic Approach For Patient's Health Monitoring System.
178	NGIRI-2021-8463	COMSATS University of Information Technology	Lahore	Electrical	Smart Farming Robot For Weeding Application
179	NGIRI-2021-7690	COMSATS University of Information Technology	Lahore	Electrical Engineering	Solar Powered Battery Charger for Plug-in Electric Vehicle using Fourth Order Resonant Converter
180	NGIRI-2021-7795	COMSATS University of Information Technology	Lahore	Electrical Engineering	Smart and automated restaunt serving system
181	NGIRI-2021-7881	COMSATS University of Information Technology	Lahore	Electrical Engineering	IOT based Dynamic Automated Car Parking System
182	NGIRI-2021-8241	COMSATS University of Information Technology	Lahore	Electrical Engineering	AN INTEGRATED INDIGENOUSLY DEVELOPED IOT BASED HOSPITAL ROBOT FOR COVID-19 AND INFECTIOUS DISEASE SCENARIOS
183	NGIRI-2021-10723	COMSATS University of Information Technology	Lahore	Electrical Engineering	'Wireless Controlled Vehicle with robotic arm'
184	NGIRI-2021-8302	COMSATS University of Information Technology	Lahore	Electrical/Electronics Engineering	LoRa WAN based Agricultural Support System For Optimum crops Yield
185	NGIRI-2021-6637	COMSATS University of Information Technology	Lahore	Software Engineering	Data Driven Defect Predication for Upcoming new Projects in Software Houses
186	NGIRI-2021-6801	COMSATS University of Information Technology	Main	Computer Science	Special vehicle priority system
187	NGIRI-2021-6702	COMSATS University of Information Technology	Sahiwal	Computer Science	Heart Disease Prediction System
188	NGIRI-2021-10844	COMSATS University of Information Technology	Sahiwal	Computer Science	'Room Security '
189	NGIRI-2021-6870	COMSATS University of Information Technology	Sahiwal	Electrical Engineering	Hand Gesture Controlled Wheelchair
190	NGIRI-2021-7944	COMSATS University of Information Technology	Sahiwal	Electrical Engineering	Self-Powered Autonomous UAV for Surveillance,Monitoring Purposes & fault detection of Transmission Lines through Thermal Imaging
191	NGIRI-2021-6653	COMSATS University of Information Technology	Sahiwal	Software Engineering	HandyMan Services
192	NGIRI-2021-7635	COMSATS University of Information Technology	Wah	Computer Science	Centralized Governance Of Maintenance Of Smart City
193	NGIRI-2021-9495	COMSATS University of Information Technology	Wah	Computer Science	'MIAI Smart Gesture Controlled Selfie Drone'
194	NGIRI-2021-10522	COMSATS University of Information Technology	Wah	Computer Science	'Real-time Emotion Detection using Speech, Text and Visual Image Data'
195	NGIRI-2021-10587	COMSATS University of Information Technology	Wah	Computer Science	'Emotional Chatting machine'
196	NGIRI-2021-10736	COMSATS University of Information Technology	Wah	Computer Science	'Android app to Predicting Air Quality using computer vision and machine learning'
197	NGIRI-2021-6930	COMSATS University of Information Technology	Wah	Computer System	Centralized Smart Security System
198	NGIRI-2021-7427	COMSATS University of Information Technology	Wah	Electrical Engineering	Deep Pi Car
199	NGIRI-2021-8214	COMSATS University of Information Technology	Wah	Electrical Engineering	Closed Loop power generation using Hydrogen Fuel Cell
200	NGIRI-2021-8232	COMSATS University of Information Technology	Wah	Electrical Engineering	FPGA based acceleration of Image Edge detection algorithm
201	NGIRI-2021-10168	COMSATS University of Information Technology	Wah	Electrical Engineering	'Efficiency Improvement of Electric Vehicles using windingless rotor based DC motor'
202	NGIRI-2021-7906	COMSATS University of Information Technology	Wah	Electrical/Electronics Engineering	A Low Cost IoT based Home Security System using Computer Vision
203	NGIRI-2021-9561	COMSATS University of Information Technology	Wah	Mechanical Engineering	'Design and development of underwater glider'

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S.No	FYP Code	University	Campus	Department	Project Title
204	NGIRI-2021-9784	COMSATS University of Information Technology	Wah	Mechanical Engineering	'Design and Development of Five Axis CNC milling machine'
205	NGIRI-2021-9845	COMSATS University of Information Technology	Wah	Mechanical Engineering	'Design and fabrication of piezoelectric synthetic jet for cooling during plastic 3D printing'
206	NGIRI-2021-10526	COMSATS University of Information Technology	Wah	Mechanical Engineering	'Parametric Optimization of Friction Stir Welding'
207	NGIRI-2021-7608	COMSATS University of Information Technology	Wah	Science & Technology	Behavior of nano graphite micro platelets GNMPs on properties of concrete
208	NGIRI-2021-10348	COMSATS University of Information Technology	Wah	Science & Technology	'Extraction of built-up areas of Gujranwala District from Landsat-8 OLI data based on spectral-textural information and feature selection using support vector machine method'
209	NGIRI-2021-8837	COMSATS University of Information Technology	Wah	Software Engineering	Self Driving Toy Robot Car Using Deep Learning
210	NGIRI-2021-6726	Dawood University of Engineering and Technology	Main	Computer System Engineering	Smart Vehicle Tracking System with webserver based on IOT
211	NGIRI-2021-9744	Dawood University of Engineering and Technology	Main	Computer System Engineering	'Web app Vulnerabilities Scanner'
212	NGIRI-2021-9995	Dawood University of Engineering and Technology	Main	Computer System Engineering	'AIR POLLUTION MONITORING SYSTEM USING IoT'
213	NGIRI-2021-10574	Dawood University of Engineering and Technology	Main	Computer System Engineering	'Classification models for heart disease prediction using feature selection PCA'
214	NGIRI-2021-10592	Dawood University of Engineering and Technology	Main	Computer System Engineering	'IOT Bases Weather Reporting System'
215	NGIRI-2021-9154	Dawood University of Engineering and Technology	Main	Electronics	Working on Design and control of Upper Body Passive Exoskeleton: A Development for Industrial Application using Pakistani anthropometric data
216	NGIRI-2021-10036	Dawood University of Engineering and Technology	Main	Electronics	'Electromedical Sanitizing Shower Design'
217	NGIRI-2021-10494	Dawood University of Engineering and Technology	Main	Electronics	'SMARTPHONE BASED SYSTEM FOR DIABETIC RETINOPATHY DETECTION USING ARTIFICIAL NEURAL NETWORK'
218	NGIRI-2021-9296	Dawood University of Engineering and Technology	Main	Electronics Engineering	IOT Based Precision Farming
219	NGIRI-2021-9929	Dawood University of Engineering and Technology	Main	Electronics Engineering	'Engraved Circuit Board Designer'
220	NGIRI-2021-10396	Dawood University of Engineering and Technology	Main	Electronics Engineering	'GPS Based Unmanned Aerial Vehicle For Parcel Delivery'
221	NGIRI-2021-9021	Dawood University of Engineering and Technology	Main	Telecom Engineering	object detection with machine learning
222	NGIRI-2021-10576	Dawood University of Engineering and Technology	Main	Telecom Engineering	'Design and Development of Peltier-Based Thermal Vacuum Chamber'
223	NGIRI-2021-10785	Dawood University of Engineering and Technology	Main	Telecom Engineering	'A Virtual Platform for Event Management '
224	NGIRI-2021-8069	DHA Suffa University	Main	Electrical Engineering	Distribution side fault prediction using pattern recognition
225	NGIRI-2021-8107	DHA Suffa University	Main	Electrical Engineering	communication system for paralyzed patients
226	NGIRI-2021-8827	DHA Suffa University	Main	Electrical Engineering	Four Legged Robot
227	NGIRI-2021-9928	DHA Suffa University	Main	Mechanical Engineering	'Design and fabrication of Thermoelectric Cooler '
228	NGIRI-2021-7012	Fatima Jinnah Women University	Main	Computer Science	Emotional health support system
229	NGIRI-2021-8725	Fatima Jinnah Women University	Main	Computer Science	Intelligent surveillance system
230	NGIRI-2021-8942	Fatima Jinnah Women University	Main	Computer Science	AI-driven web portal for online shopping
231	NGIRI-2021-9089	Fatima Jinnah Women University	Main	Computer Science	Outdoor Sports Assistant
232	NGIRI-2021-9259	Fatima Jinnah Women University	Main	Computer Science	IMAGINE æœ“ Converting your Imagination into Reality
233	NGIRI-2021-6818	Foundation University	Islamabad	Computer Science	Driver Drowsiness Detection System
234	NGIRI-2021-8873	Foundation University	Islamabad	Computer Science	Water quality Monitoring and disease prevention
235	NGIRI-2021-6816	Foundation University	Islamabad	Electrical Engineering	Resist Spin Coater
236	NGIRI-2021-8083	Foundation University	Islamabad	Electrical Engineering	Hybrid Solar WAPDA Irrigation System
237	NGIRI-2021-8109	Foundation University	Islamabad	Electrical Engineering	Smart Efficient Automated Biogas Plant
238	NGIRI-2021-8223	Foundation University	Islamabad	Electrical Engineering	Renewable Resource Sharing and Availability for Demand Response in a Smart Grid
239	NGIRI-2021-10027	Foundation University	Islamabad	Electrical Engineering	'sEMG based orthosis for upper limb'
240	NGIRI-2021-6838	Foundation University	Islamabad	Software Engineering	Intelligent Sales and Lead Enrichment
241	NGIRI-2021-7218	Foundation University	Islamabad	Software Engineering	Ghoomlo
242	NGIRI-2021-7584	Foundation University	Islamabad	Software Engineering	Organizational Transport Service App OTSA
243	NGIRI-2021-8828	Foundation University	Islamabad	Software Engineering	Secure Biometric System
244	NGIRI-2021-10452	Foundation University	Islamabad	Software Engineering	'MEDHUB'
245	NGIRI-2021-7024	Ghazi University	City Campus	Computer Science & IT	Insect shape detection in field crops by machine vision and image processing
246	NGIRI-2021-7025	Ghazi University	City Campus	Computer Science & IT	Smart Automation System for controlling Various appliances using a mobile device
247	NGIRI-2021-7057	Ghazi University	City Campus	Computer Science & IT	biometric door Lock
248	NGIRI-2021-10487	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Computer Science	'Real Time Sign Language Interpreter'
249	NGIRI-2021-9466	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical Engineering	Stabilization Using Gyroscopic Precession With Real Time Environment Perception
250	NGIRI-2021-8132	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical Power Engineering	Potable, Compressor-less solar powered Refrigerator with a battery backup for zero energy effective transportation of vaccines
251	NGIRI-2021-9412	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Electrical/Electronics Engineering	Alpha Vision Auto Object Tracker
252	NGIRI-2021-9840	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Engineering and Sciences	'Universal Wireless Charging'
253	NGIRI-2021-10166	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Engineering and Sciences	'Design and Fabrication of Contactless Six DOF Robotic Arm'
254	NGIRI-2021-10495	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology	Swabi	Mechanical Engineering	'Experimental Investigation of droplet motion on a sliding surface for development of health care diagnostic platform'

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S.No	FYP Code	University	Campus	Department	Project Title
255	NGIRI-2021-7862	GIFT University	Gujranwala	Computer Science	Fake News Detection
256	NGIRI-2021-8973	GIFT University	Gujranwala	Computer Science	House Map Generator
257	NGIRI-2021-8991	GIFT University	Gujranwala	Computer Science	Easy Cure
258	NGIRI-2021-9508	GIFT University	Gujranwala	Computer Science	'School Gari'
259	NGIRI-2021-9584	GIFT University	Gujranwala	Computer Science	'Virtual DARS E QURAN '
260	NGIRI-2021-8862	GIFT University	Gujranwala	Computer System	Online Aluminium and Glass Cutting System
261	NGIRI-2021-7467	GIFT University	Gujranwala	Electrical Engineering	Contactless Thermal Body Scanner
262	NGIRI-2021-7876	GIFT University	Gujranwala	Engineering and Sciences	Therapeutic Ultrasonic Machine
263	NGIRI-2021-6561	Gomal University	Main	Electrical Engineering	Face mask detection using neural network with automatic temperature detection
264	NGIRI-2021-10730	Government College University	Faisalabad	Bio-Informatics	'Identification of miRNA based therapeutic compounds against Nonsmall Cell Lung Carcinoma (NSCLC) by integrative bioinformatics analysis '
265	NGIRI-2021-8908	Government College University	Faisalabad	Computer Science & IT	Thermal suit controlled by an android/ios
266	NGIRI-2021-6959	Government College University	Faisalabad	Electrical Engineering	Data Transmission Using Visible Light Communication
267	NGIRI-2021-9904	Government College University	Faisalabad	Electrical Engineering	'Metamaterial Based Dual Band Antenna for Off Body Communication'
268	NGIRI-2021-9333	Government College University	Faisalabad	Information Technology	Drowsiness Detection
269	NGIRI-2021-9468	Habib University	Karachi	Electrical Engineering	Deep Prenatal Care Unit
270	NGIRI-2021-7216	Hamdard University	Islamabad	Computer Science	Explosive Sensing Robot
271	NGIRI-2021-7065	Hamdard University	Islamabad	Electrical Engineering	Artificial Intelligence based Facial Recognition Attendance System.
272	NGIRI-2021-7070	Hamdard University	Islamabad	Electrical Engineering	sign language reader
273	NGIRI-2021-7077	Hamdard University	Islamabad	Electrical Engineering	Sound localization for video conferencing
274	NGIRI-2021-7354	Hamdard University	Islamabad	Electrical Engineering	Stair climbing robot
275	NGIRI-2021-9887	Hamdard University	Islamabad	Electrical Engineering	'Multi Purpose Delivery Robot'
276	NGIRI-2021-8059	Hamdard University	Karachi	Biomedical Engineering	DTracker Artificial Intelligence based Diabetes Management Device
277	NGIRI-2021-8183	Hamdard University	Karachi	Biomedical Engineering	Extending the Generic Biosensor Interfacing Architecture towards a Telemedicine Service
278	NGIRI-2021-8801	Hamdard University	Karachi	Electrical	Designing and Planning of Electrical equipmentâ€™s in Modern Constructions
279	NGIRI-2021-6573	Hamdard University	Karachi	Electrical Engineering	Automation in patient room for covid 19 in hospital
280	NGIRI-2021-8134	Hamdard University	Karachi	Electrical Engineering	Automatic solar seed sowing machine
281	NGIRI-2021-8140	Hamdard University	Karachi	Electrical Engineering	Gravotage- Gravity Based Energy Storage Sysytem
282	NGIRI-2021-9905	Hamdard University	Karachi	Electronics Engineering	'Smart shades enhancing machine'
283	NGIRI-2021-10250	Hamdard University	Karachi	Electronics Engineering	'Solar terrain less Robot with realtime video streaming'
284	NGIRI-2021-10450	Hamdard University	Karachi	Electronics Engineering	'IOT based smart water system with mobile application'
285	NGIRI-2021-10580	Hamdard University	Karachi	Electronics Engineering	'Iot Based Automatic Bottle Filling Machine'
286	NGIRI-2021-9106	HITEC University	Main	Computer Engineering	Machine Learning Based Kids trainer
287	NGIRI-2021-9260	HITEC University	Main	Computer Engineering	Virtual Reality tour
288	NGIRI-2021-9364	HITEC University	Main	Computer Engineering	Software Automation and Scheduling of Assembly Line Inventory Management System
289	NGIRI-2021-8263	HITEC University	Main	Computer Science	Classification Of COVID-19 Disease By Using Explainable Artificial Intelligence With X-ray Images
290	NGIRI-2021-8296	HITEC University	Main	Computer Science	Automated Skin Lesion Classification for Cancer
291	NGIRI-2021-8924	HITEC University	Main	Computer Science	Be on time
292	NGIRI-2021-9807	HITEC University	Main	Computer Science	'Anti Collision Train System'
293	NGIRI-2021-6905	HITEC University	Main	Electrical	Interpreting device for Disable(Dumb) people.
294	NGIRI-2021-7090	HITEC University	Main	Electrical	Enhancement of Dielectric And Thermal Properties Of Liquid Insulators
295	NGIRI-2021-7339	HITEC University	Main	Electrical	IOT Based Net Energy Metering
296	NGIRI-2021-7802	HITEC University	Main	Electrical	UPS Power Source
297	NGIRI-2021-9057	HITEC University	Main	Electrical	Power Generation and Biofuel Extraction using MSW
298	NGIRI-2021-6836	HITEC University	Main	Electrical Engineering	Wearable hand rehabilitation system with soft gloves
299	NGIRI-2021-7508	HITEC University	Main	Electrical Engineering	Pulmonary Ventilator
300	NGIRI-2021-8202	HITEC University	Main	Electrical Engineering	Instrumentation and Control System for AI Based Driver Assistance System Onboard Datsun Car
301	NGIRI-2021-8818	HITEC University	Main	Electrical Engineering	IOT Based Fault Detection and Protection of Power Transformer
302	NGIRI-2021-9284	HITEC University	Main	Electrical Engineering	Design and implementation of EOG based wheelchair for paralyze patients
303	NGIRI-2021-7899	HITEC University	Main	Electrical Power Engineering	Design and Fabrication of multiple induction motors automatic starter via liquid rheostat
304	NGIRI-2021-7902	HITEC University	Main	Electrical Power Engineering	Voltage Regulator for electric system of Tank (TK T-85)
305	NGIRI-2021-8952	HITEC University	Main	Electrical Power Engineering	Aging chamber construction and insulator testing
306	NGIRI-2021-9053	HITEC University	Main	Electrical Power Engineering	tilt sensor for trunnion gun
307	NGIRI-2021-6828	HITEC University	Main	Electrical/Electronics Engineering	Electric vehicles charging station
308	NGIRI-2021-8805	HITEC University	Main	Electrical/Electronics Engineering	HITEC security automation system
309	NGIRI-2021-7015	HITEC University	Main	Mechanical Engineering	Efficient embedded system design for machine fault diagnosis using vibration features
310	NGIRI-2021-7575	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science	SMART TRAFFIC SIGNAL CONTROL BY USING ARTIFICIAL INTELLIGENCE
311	NGIRI-2021-7747	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science	Accident Information System
312	NGIRI-2021-7771	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science	Smart Cart System

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S.No	FYP Code	University	Campus	Department	Project Title
313	NGIRI-2021-7842	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science	SMART SAFETY HELMET FOR ACCIDENT DETECTION
314	NGIRI-2021-8196	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science	Smart voice and touch controlled wheel chair
315	NGIRI-2021-7669	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science & IT	SECURITY ALARM FOR BANK AND MUSEUM
316	NGIRI-2021-7830	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer Science & IT	Automatic Plant Watering System Iot Based
317	NGIRI-2021-7843	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Computer System	Hand Gesture controlled RC car
318	NGIRI-2021-7648	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Software Engineering	UHF Enabled Library Management System
319	NGIRI-2021-7664	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Software Engineering	Surveillance System
320	NGIRI-2021-7787	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Software Engineering	Crop Duster
321	NGIRI-2021-8095	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Software Engineering	MIND CONTROL ROBOTIC HAND FOR DISABLED PERSON
322	NGIRI-2021-8626	ILMA University, formerly Institute of Business & Technology (IBT)	Main	Software Engineering	Smart Shoes for Blinds
323	NGIRI-2021-7742	Indus University	Karachi	Computer & Information System Engineering	Self Sensor Automation
324	NGIRI-2021-7922	Indus University	Karachi	Computer & Information System Engineering	AI BASED GAME ENGINE
325	NGIRI-2021-7898	Indus University	Karachi	Computer Engineering	Plant Disease Recognition Using Raspberry pi PYTHON AI
326	NGIRI-2021-6610	Indus University	Karachi	Computer Science	Infinity Security System
327	NGIRI-2021-8187	Indus University	Karachi	Computer Science	Smart SOPs surveillance system using deep neural network
328	NGIRI-2021-8428	Indus University	Karachi	Computer Science	weapon detection system
329	NGIRI-2021-7154	Indus University	Karachi	Computer Science & IT	Autonomous Serving System
330	NGIRI-2021-7658	Indus University	Karachi	Computer Science & IT	Smart Heat Stroke Detection System by Using IoT
331	NGIRI-2021-8178	Indus University	Karachi	Computer Science & IT	Classification of COVID by X Rays Images
332	NGIRI-2021-8180	Indus University	Karachi	Computer Science & IT	Smart Tracker For Vehicles Based On IOT
333	NGIRI-2021-9985	Indus University	Karachi	Computer Science & IT	'Coal Mining Parameter Monitoring System'
334	NGIRI-2021-8720	Indus University	Karachi	Computer System	Timetable Scheduling system based on IOT
335	NGIRI-2021-8719	Indus University	Karachi	Computer System Engineering	Hologram Based Visualizer
336	NGIRI-2021-8814	Indus University	Karachi	Computer System Engineering	Voice Control Smart Wheel Chair
337	NGIRI-2021-9774	Indus University	Karachi	Computer System Engineering	'Gesture Controlled Robotic Arm'
338	NGIRI-2021-7078	Indus University	Karachi	Computing and Technology	CLOUD BASE PLATFORM FOR AI DEVELOPERS
339	NGIRI-2021-7918	Indus University	Karachi	Computing and Technology	IOT Based Smart Meter With Dynamic Power Load Management
340	NGIRI-2021-8420	Indus University	Karachi	Computing and Technology	Smart Bike Automated Meter
341	NGIRI-2021-9973	Indus University	Karachi	Computing and Technology	'voice recogniton based smart blind stick'
342	NGIRI-2021-7556	Indus University	Karachi	Electrical	Gesture Control Holographic Display System for Live Presentation
343	NGIRI-2021-7967	Indus University	Karachi	Electrical	prepaid billing based industrial smart controlling and monitoring through android app
344	NGIRI-2021-7173	Indus University	Karachi	Electrical Power Engineering	IoT based Baby Cradle with Monitoring Features using Raspberry Pi
345	NGIRI-2021-7174	Indus University	Karachi	Electrical Power Engineering	IoT based Power Monitoring and Load Management of Generator with Power Factor Improvement
346	NGIRI-2021-7175	Indus University	Karachi	Electrical Power Engineering	Intelligent Energy Management system using FPGA and Fuzzy Logic
347	NGIRI-2021-7178	Indus University	Karachi	Electrical Power Engineering	Optimal Power Flow prototype for Economic Power generation
348	NGIRI-2021-7180	Indus University	Karachi	Electrical/Electronics Engineering	Smart Water supply management system with IoT based monitoring and automatic controlling during fault detection
349	NGIRI-2021-7283	Indus University	Karachi	Electrical/Electronics Engineering	AUTOMATIC INDOOR AIR DECONTAMINATION SYSTEM
350	NGIRI-2021-7366	Indus University	Karachi	Electrical/Electronics Engineering	3D Printer to Manufacture Customized Plastic Objects
351	NGIRI-2021-8090	Indus University	Karachi	Engineering and Sciences	Color Batch Mixing System using PLC & HMI
352	NGIRI-2021-8606	Indus University	Karachi	Information & Communication Technology	Ecommerce Furniture App Based On Augmented Reality
353	NGIRI-2021-8607	Indus University	Karachi	Information & Communication Technology	AR Indoor Navigation System
354	NGIRI-2021-8068	Indus University	Karachi	Information Technology	IoT based Air Pollution Meter
355	NGIRI-2021-7252	Indus University	Karachi	Mechanical Engineering	Design and Analysis of a Portable Air conditioning heat pump unit using Helical Coil Heat Exchanger
356	NGIRI-2021-7681	Indus University	Karachi	Mechatronics Engineering	Cost effective and material qualitative 3D printer
357	NGIRI-2021-7117	Indus University	Karachi	Science & Technology	LoRa base smart energy meter with load management.
358	NGIRI-2021-7148	Indus University	Karachi	Science & Technology	IOT based Smart & Portable Wheel Floor Mill
359	NGIRI-2021-7659	Indus University	Karachi	Science & Technology	IOT and PLC based Controlling and Monitoring of Grid Station Transformer According to Load Cycle
360	NGIRI-2021-7760	Indus University	Karachi	Science & Technology	Sign Language Translator for Mute and Deaf
361	NGIRI-2021-10239	Indus University	Karachi	Science & Technology	Indigenous Design of Industrial Automation and Control Testing Kit For Multiple Applications

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S.No	FYP Code	University	Campus	Department	Project Title
362	NGIRI-2021-8433	Indus University	Karachi	Telecommunication & Networking	Network Monitoring System
363	NGIRI-2021-7375	Information Technology University	Lahore	Electrical Engineering	IoT Enabled Water Metering for Domestic Consumers
364	NGIRI-2021-8033	Information Technology University	Lahore	Electrical Engineering	Vertical Axis Wind Turbine for highways
365	NGIRI-2021-10347	Information Technology University	Lahore	Electrical Engineering	'IoT enabled data measurement/logging device with high dynamic range'
366	NGIRI-2021-10545	Information Technology University	Lahore	Electrical Engineering	'IMPLEMENTATION OF PORTABLE MICROWAVE IMAGING SYSTEM FOR BRAIN STROKE DETECTION'
367	NGIRI-2021-10761	Information Technology University	Lahore	Electrical Engineering	'MOBDIW: Monitoring Of Brainwaves For Development Of Intelligent Wheelchair'
368	NGIRI-2021-9432	Institute of Business Management	Main	Computer Science	Irrigation system
369	NGIRI-2021-9772	Institute of Business Management	Main	Computer Science	'Covid Door'
370	NGIRI-2021-10048	Institute of Business Management	Main	Computer Science	'Grow Green'
371	NGIRI-2021-9200	Institute of Business Management	Main	Electrical/Electronics Engineering	CNC Wire Bender
372	NGIRI-2021-9734	Institute of Business Management	Main	Electrical/Electronics Engineering	'Implementation of Motion Capture using Augmented Reality'
373	NGIRI-2021-9311	Institute of Industrial Electronics Engineering	Main	Industrial Electronics	Development and Clinical Diagnostics of Ophthalmic Imaging Modalities based on Deep Learning System
374	NGIRI-2021-9661	Institute of Industrial Electronics Engineering	Main	Industrial Electronics	Real Time Speed Control and Monitoring of AC/DC Electrical Machines with Virtual Instrumentation Interfaces'
375	NGIRI-2021-9936	Institute of Industrial Electronics Engineering	Main	Industrial Electronics	Cryptography of Voice for secured Communication using FPGA'
376	NGIRI-2021-10230	Institute of Industrial Electronics Engineering	Main	Industrial Electronics	Design and development of a line following robot guided by pixel values of a camera using FPGA
377	NGIRI-2021-10270	Institute of Industrial Electronics Engineering	Main	Industrial Electronics	Cloud based Monitoring and Control of Industrial Parameters with Internet of Things
378	NGIRI-2021-6684	Institute of Management Sciences	Peshawar	Computer Science	IoT based smart car accident detection and theft detection
379	NGIRI-2021-6981	Institute of Management Sciences	Peshawar	Computer Science	Health monitoring system using android application
380	NGIRI-2021-9926	Institute of Management Sciences	Peshawar	Computer Science	'Missing Person Recognition System Using Computer Vision'
381	NGIRI-2021-9989	Institute of Management Sciences	Peshawar	Computer Science	'IoT based smart posture detection through pressure sensor and recommendation system through android application'
382	NGIRI-2021-8008	Institute of Management Sciences	Peshawar	Software Engineering	pick the garbage
383	NGIRI-2021-9969	Institute of Management Sciences	Peshawar	Software Engineering	'Smart Trolley Using Recommender System'
384	NGIRI-2021-10367	Institute of Southern Punjab	Main	Computer Science & IT	'Classroom Crowded Attendance System'
385	NGIRI-2021-10368	Institute of Southern Punjab	Main	Computer Science & IT	'ABCD-AR (Augmented Reality) Learning Game for pre-school kids using PQRS (Preview, Question, Read, Self-recite, Test) Method'
386	NGIRI-2021-10434	Institute of Southern Punjab	Main	Information Technology	'Non-Visitors Cars and Driver identification system'
387	NGIRI-2021-8438	Institute of Space Technology	Islamabad	Avionics Engineering	Development of Core on FPGA Board for MIL-STD-1553B Communication Protocol Design and Implementation of Fuzzy Logic Flight Controller for a Quad Copter using Image-based Feedback
388	NGIRI-2021-8545	Institute of Space Technology	Islamabad	Avionics Engineering	Design and Development of Prototype of FMCW Radar for Experimentation and Research Work
389	NGIRI-2021-8591	Institute of Space Technology	Islamabad	Avionics Engineering	Effective Quick Response Assistive Cane for Visually-impaired People
390	NGIRI-2021-8616	Institute of Space Technology	Islamabad	Avionics Engineering	Deep Learning Based Human Detection and Tracking Drone
391	NGIRI-2021-9347	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	Design of a Drone Deflection System
392	NGIRI-2021-7062	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	Design and Fabrication of RC Paraglider
393	NGIRI-2021-7114	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	Design and Fabrication of RC Paraglider
394	NGIRI-2021-7195	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	EyeBall Movement Based Wheelchair for Paralysis Patients
395	NGIRI-2021-8954	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	CFD and AAA analysis of Gunpod on Super Mushshaq Aircraft
396	NGIRI-2021-9239	Institute of Space Technology	Islamabad	Avionics/Aeronautical Engineering	Design and Development of Brushless Motor Thrust Stand
397	NGIRI-2021-6617	Institute of Space Technology	Islamabad	Electrical Engineering	Design and Development of EMG based Ankle Foot Prosthetic
398	NGIRI-2021-7281	Institute of Space Technology	Islamabad	Electrical Engineering	Human recognition using Ultrasonic sensors
399	NGIRI-2021-8108	Institute of Space Technology	Islamabad	Electrical Engineering	Vehicular Traffic Monitoring for Housing Societies using AI
400	NGIRI-2021-9100	Institute of Space Technology	Islamabad	Electrical Engineering	Autonomous Coalition Formation Algorithm for UAVs to Perform Search and Attack Operation
401	NGIRI-2021-9336	Institute of Space Technology	Islamabad	Electrical Engineering	IoT Based Agriculture Monitoring System
402	NGIRI-2021-7043	Institute of Space Technology	Islamabad	Space Science	Prototype designing of an Earth Horizon Sensor for Attitude determination of a CubeSat
403	NGIRI-2021-8532	Institute of Space Technology	KICSIT	Computer Engineering	Ultrasonic Radar System
404	NGIRI-2021-9188	Institute of Space Technology	KICSIT	Computer Engineering	4DOF SHAPE RECOGNITION USING VISION CONTROL
405	NGIRI-2021-9496	Institute of Space Technology	KICSIT	Computer Engineering	'Image Based Tracking using FPGA'
406	NGIRI-2021-10202	Institute of Space Technology	KICSIT	Computer Engineering	'Robotic arm with vision control'
407	NGIRI-2021-10313	Institute of Space Technology	KICSIT	Computer Engineering	'EMG Controlled Prosthetic Hand'
408	NGIRI-2021-8752	International Islamic University	Islamabad	Electrical	Smart Solar-Powered Greenhouse Control System using IOT
409	NGIRI-2021-6655	International Islamic University	Islamabad	Electrical Engineering	Smart Surveillance Drone for Social Distancing and Face Mask Detection
410	NGIRI-2021-6671	International Islamic University	Islamabad	Electrical Engineering	COVID 19 Patient monitoring system with smart pill box
411	NGIRI-2021-7138	International Islamic University	Islamabad	Electrical Engineering	IoT Controlled Smart Aquaponics System
412	NGIRI-2021-7336	International Islamic University	Islamabad	Electrical Engineering	Controller Design For Weak-Grid Connected Inverter
413	NGIRI-2021-7497	International Islamic University	Islamabad	Electrical Engineering	Visual and Infrared Image Fusion For Security and Surveillance Applications
414	NGIRI-2021-7297	International Islamic University	Islamabad	Electrical/Electronics Engineering	IOT BASED INTELLIGENT HORTICULTURAL ROBOT

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
415	NGIRI-2021-8087	Iqra National University	Main	Electrical Power Engineering	Auto intensity control of solar PV powered Led lights with automatic cleaning of Solar panel and solar tracking system
416	NGIRI-2021-7301	Iqra University	Islamabad	Computer Science	Hydrogen powered multi-rotor unmanned aerial vehicle
417	NGIRI-2021-9435	Iqra University	Islamabad	Computer Science	IoT Based Car Surveillance System
418	NGIRI-2021-9574	Iqra University	Islamabad	Computer Science	'Smart Air Purifier'
419	NGIRI-2021-8883	Iqra University	Islamabad	Electronics Engineering	Versatile Robot for Plantation and Water Distribution
420	NGIRI-2021-9847	Iqra University	Islamabad	Electronics Engineering	'Water management and Automation System using PLC and SCADA'
421	NGIRI-2021-7767	Iqra University	Main	Computer Science	Water Logging System
422	NGIRI-2021-7828	Iqra University	Main	Computer Science	Stabilizing Spoon
423	NGIRI-2021-7757	Iqra University	Main	Computer System	Smart Automated Solar Tracker
424	NGIRI-2021-9362	Iqra University	Main	Electrical Engineering	Smart Cashier Drawer
425	NGIRI-2021-9369	Iqra University	Main	Electrical Engineering	Smart OCR Protection for Electric Grid
426	NGIRI-2021-8010	Iqra University	Main	Electronics	AI Based Humanoid Three D printed Robot
427	NGIRI-2021-8198	Iqra University	Main	Electronics Engineering	IoT Based Industrial Grade Efficient Energy Monitoring System
428	NGIRI-2021-10874	Iqra University	Main	Electronics Engineering	'Motor Bike Security and Safety System'
429	NGIRI-2021-7923	Iqra University	Main	Engineering and Sciences	STARLIT
430	NGIRI-2021-7710	Iqra University	Main	Software Engineering	AutoBoat
431	NGIRI-2021-7834	Iqra University	Main	Software Engineering	WasteBot
432	NGIRI-2021-7888	Iqra University	Main	Software Engineering	Fire Fighter Search/Suveillance Drone
433	NGIRI-2021-7904	Iqra University	Main	Software Engineering	Smart Thermal Jacket
434	NGIRI-2021-7943	Iqra University	Main	Software Engineering	Automatic Floor Cleaning Car
435	NGIRI-2021-9812	Iqra University	Main	Telecom Engineering	'ANDROID BASED AUTONOMOUS & ASSIGNED PATH ROBOTIC VEHICLE'
436	NGIRI-2021-10612	Isra University	Hyderabad	Computer Science	'Smart Agriculture Drone'
437	NGIRI-2021-9961	Jinnah University for Women	Karachi	Software Engineering	Emotion Recognition In E-Learning System
438	NGIRI-2021-9964	Jinnah University for Women	Karachi	Software Engineering	Anti Rob
439	NGIRI-2021-6689	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering	Reverse Osmosis Plant Management System (ROPMS)
440	NGIRI-2021-6692	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering	Intelligence Monitoring System
441	NGIRI-2021-6949	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering	Fire Fighting robot
442	NGIRI-2021-8758	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering	Internet Of Things for Animal (IOTA)
443	NGIRI-2021-9479	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Engineering	Smart Digital Electric Meter
444	NGIRI-2021-8316	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science	Smart Irrigation Robot
445	NGIRI-2021-8922	Khawaja Fareed University of Engineering and Information Technology	Main	Computer Science	Waiter Robot
446	NGIRI-2021-9404	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical	IoT based Domestic Metering Device
447	NGIRI-2021-8860	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering	Voice Recognition based robotic hand for handicapped people
448	NGIRI-2021-9522	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering	'Monitoring Cardiac Events and Producing Actionable Device'
449	NGIRI-2021-9532	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering	'Design and implementation of step down DC to DC converter without an auxiliary power supply'
450	NGIRI-2021-9643	Khawaja Fareed University of Engineering and Information Technology	Main	Electrical Engineering	'Power factor improvements in distribution network by designing of DSTATCOM'
451	NGIRI-2021-7290	Khushal Khan Khattak University	Karak	Computer Science	Arduino Based Door Monitoring System (ABDMS)
452	NGIRI-2021-7355	Khushal Khan Khattak University	Karak	Computer Science	An IoT Based Low Cost Interactive Surveillance System
453	NGIRI-2021-8396	Kinnaird College for Women	Main	Computer Science	Smart Door Locking System using Facial Recognition on IoT and Android
454	NGIRI-2021-6998	Kohat University of Science and Technology (KUST)	Main	Science & Technology	Implication of different classical and Quantum algorithms on Quantum Computers and developing effective new ideas note I am physics student and working on computing
455	NGIRI-2021-7286	Lahore College for Women University	Lahore	Computer Science	An Intelligent Robot System for Smart Spraying In Agriculture
456	NGIRI-2021-8142	Lahore College for Women University	Lahore	Computer Science	Face Recognition and Liveness Detection using Convolutional Neural Network
457	NGIRI-2021-8863	Lahore College for Women University	Lahore	Computer Science	SMART MOBILE BASED NETWORK SIMULATOR APPLICATION USING VR AND 5G TECHNOLOGIES
458	NGIRI-2021-8885	Lahore College for Women University	Lahore	Computer Science	Mobile based vehicle stationary system using drone and interactive machine learning technique
459	NGIRI-2021-9566	Lahore College for Women University	Lahore	Computer Science	'AR Based Intelligent Medicine Specification System'
460	NGIRI-2021-6954	Lahore College for Women University	Lahore	Computer System	A ubiquitous computing emergency management solution for women and child safety
461	NGIRI-2021-10200	Lahore College for Women University	Lahore	Computer System	'Epileptic Seizure Detection System'
462	NGIRI-2021-6647	Lahore Garrison University	Main	Computer Science	Smart Ruminants An IoT Buffalo
463	NGIRI-2021-6729	Lahore Garrison University	Main	Computer Science	Voice Control Wheelchair
464	NGIRI-2021-6894	Lahore Garrison University	Main	Computer Science	CASH INBOX æ Smart Cash Assistant for Blind
465	NGIRI-2021-7544	Lahore Garrison University	Main	Computer Science	Banado (real estate web portal and app)
466	NGIRI-2021-9086	Lahore Garrison University	Main	Computer Science	Crowd Assessment Solution
467	NGIRI-2021-6603	Lahore Garrison University	Main	Computer Science & IT	Myco(My Companion)
468	NGIRI-2021-9526	Lahore University of Management Sciences	Lahore	Bio-Informatics	'PERCEPTRON - Proteoform Identification Pipeline for Top-Down Proteomics'
469	NGIRI-2021-6535	Lahore University of Management Sciences	Lahore	Electrical Engineering	Smart Energy Metering Solution With Monitoring And Control Capabilities For Efficient Demand Side Management
470	NGIRI-2021-8097	Lahore University of Management Sciences	Lahore	Electrical Engineering	Blockchain Enabled Prosumer Oriented Energy Markets

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
471	NGIRI-2021-8909	Lahore University of Management Sciences	Lahore	Electrical Engineering	Development Of Inkjet Printing Based Anti-Counterfeiting Systems And Modules For Real Time Labeling
472	NGIRI-2021-9313	Lahore University of Management Sciences	Lahore	Electrical Engineering	Health Degradation analysis of Lithium ion batteries
473	NGIRI-2021-9400	Lahore University of Management Sciences	Lahore	Electrical Engineering	Health Secure Radar: Software Defined Radio Based Micro-Doppler Radar for Healthcare and Security Applications
474	NGIRI-2021-10143	Lahore University of Management Sciences	Lahore	Science & Technology	'Traffic Crowd Monitoring and Analysis'
475	NGIRI-2021-7811	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering	Machine learning Electromyography signals to control Prosthetic Hand
476	NGIRI-2021-8054	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering	Design of nanofibrous membrane for biobased face mask to limit the Covid-19 pandemic
477	NGIRI-2021-8077	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering	Design and development of low-cost oxygen concentrator device
478	NGIRI-2021-9184	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering	Design And Fabrication Of Human Skin Substitute For Medical Research
479	NGIRI-2021-9677	Mehran University of Engineering & Technology	Jamshoro	Biomedical Engineering	'Intelligent Database System for Medical Record Keeping and Retrieval'
480	NGIRI-2021-8466	Mehran University of Engineering & Technology	Jamshoro	Computer Engineering	Sign language recognition and translation
481	NGIRI-2021-7112	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering	Child Abuse Protection CAP
482	NGIRI-2021-7304	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering	Automated communication device for deaf and dumb
483	NGIRI-2021-7386	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering	Realify
484	NGIRI-2021-7892	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering	Real time Identification of Railway Track faults using image processing
485	NGIRI-2021-7901	Mehran University of Engineering & Technology	Jamshoro	Computer System Engineering	IoT based E mirror for home automation
486	NGIRI-2021-6983	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering	Design and Analysis of Electrical Vehicle using Novel Controller
487	NGIRI-2021-8239	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering	Design and development of iot enabled on-board normal and ab-normal condition monitoring and remote control of transmission line
488	NGIRI-2021-8512	Mehran University of Engineering & Technology	Jamshoro	Electrical Engineering	Model and Design of Power Theft Detection System
489	NGIRI-2021-7100	Mehran University of Engineering & Technology	Jamshoro	Electronics	Unmanned Aerial Vehicle Based Weeds Detection using Image Processing
490	NGIRI-2021-6571	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineering	DEVELOPMENT OF BINARY CLASSIFIER FOR RAILWAY TRACK SURFACE FAULTS DETECTION USING SOLAR POWERED VEHICLE
491	NGIRI-2021-7505	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineering	Deep Learning based Multi-fault detection system for 3-Phase Induction Motor
492	NGIRI-2021-7560	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineering	Design and Progression Analysis of Neuro Rehabilitation System using Machine Learning
493	NGIRI-2021-7738	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineering	Design & Development of Wheeled Type Pipeline Inspection Robot
494	NGIRI-2021-7797	Mehran University of Engineering & Technology	Jamshoro	Electronics Engineering	Three Dimensional Augmented Reality capture and display system
495	NGIRI-2021-9046	Mehran University of Engineering & Technology	Jamshoro	Mechanical Engineering	DESIGN AND ANALYSIS OF SUPERSONIC WIND TUNNEL WITH VARIABLE MACH NUMBER
496	NGIRI-2021-9205	Mehran University of Engineering & Technology	Jamshoro	Mechanical Engineering	Intelligent spray system for agricultural application
497	NGIRI-2021-9958	Mehran University of Engineering & Technology	Jamshoro	Mechanical Engineering	'Design Analysis and Fabrication of Banana Waste Shredder'
498	NGIRI-2021-7663	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering	Recognition of Cotton Crop Diseases and Treatments using Deep Learning
499	NGIRI-2021-7894	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering	Gesture controlled master slave robotic arm with sensory force feedback
500	NGIRI-2021-7951	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering	Smart AI based fruit picking robot
501	NGIRI-2021-8220	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering	DESIGN AND DEVELOPMENT OF SMART WEEDING ROBOT USING MACHINE LEARNING
502	NGIRI-2021-8255	Mehran University of Engineering & Technology	Jamshoro	Mechatronics Engineering	Development of gesture controlled electric wheelchair based on renewable energy for severe motor disabilities.
503	NGIRI-2021-9443	Mehran University of Engineering & Technology	Jamshoro	Software Engineering	MANGROVE CLASSIFICATION OF INDUS DELTA USING SATELLITE IMAGES
504	NGIRI-2021-9505	Mehran University of Engineering & Technology	Jamshoro	Software Engineering	'Gaming using Hand Gestures'
505	NGIRI-2021-9624	Mehran University of Engineering & Technology	Jamshoro	Software Engineering	'Augmented Reality based Physical Transformation.'
506	NGIRI-2021-9741	Mehran University of Engineering & Technology	Jamshoro	Software Engineering	'Personal Safety Application to handle hazardous situations.'
507	NGIRI-2021-9962	Mehran University of Engineering & Technology	Jamshoro	Software Engineering	'Muntazim'
508	NGIRI-2021-6651	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering	Joystick Controlled Warfield Robotic Arm Vehicle
509	NGIRI-2021-7260	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering	Asterix/Elastix based Open Source VoIP PBX.
510	NGIRI-2021-7682	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering	Multimodal sensing system for classroom
511	NGIRI-2021-7819	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering	IOT Enabled Smart Railway Crossing
512	NGIRI-2021-7992	Mehran University of Engineering & Technology	Jamshoro	Telecom Engineering	Photonic sensor for liquid adulteration detection.
513	NGIRI-2021-6557	Mehran University of Engineering & Technology	Jamshoro	Telecommunication & Networking	Department Security System
514	NGIRI-2021-7885	Mehran University of Engineering & Technology	Khairpur	Electrical	Design of solar based carport canopies for electrical vehicles charging system
515	NGIRI-2021-6797	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering	Busbar Protection Using Controller - An experimental study
516	NGIRI-2021-7971	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering	Person Identification using Autonomous Drone through Multi
517	NGIRI-2021-8370	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering	Mobile and Modular Renewable Energy Based Hybrid Electric Energy System For Remote and Offshore Power Supply
518	NGIRI-2021-8523	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering	Impact of Electrical Vehicles Charging Stations on existing Power System of Pakistan
519	NGIRI-2021-9752	Mehran University of Engineering & Technology	Khairpur	Electrical Engineering	'IOT BASED SMART SOLAR TRACKING SYSTEM WITH REMOTE MONITORING AND CONTROL.'
520	NGIRI-2021-8807	Mehran University of Engineering & Technology	Khairpur	Electronics	IOT Based Energy Meter Bill Prediction And Load Control Using GSM And Microcontroller
521	NGIRI-2021-9062	Mehran University of Engineering & Technology	Khairpur	Electronics Engineering	Automatic Dependent Surveillance Broadcast Receiver
522	NGIRI-2021-8094	Mehran University of Engineering & Technology	Khairpur	Mechanical Engineering	Employing machine learning to design mechanical materials and predicting their properties
523	NGIRI-2021-8125	Mehran University of Engineering & Technology	Khairpur	Mechanical Engineering	Adopting IoT-Based machine learning for Smart Municipal solid Waste Management and Municipal solid Plastic Waste Treatment via pyrolysis
524	NGIRI-2021-6993	Mehran University of Engineering & Technology	Khairpur	Software Engineering	Family security
525	NGIRI-2021-9419	Mehran University of Engineering & Technology	Khairpur	Software Engineering	Online Payment of Toll Plaza and Parking of cars

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S.No	FYP Code	University	Campus	Department	Project Title
526	NGIRI-2021-8559	Minhaj University	Main	Computer Science & IT	Intelligent Prediction System for crime tendency empowered with Machine Learning
527	NGIRI-2021-9502	Minhaj University	Main	Computer Science & IT	'Handwriting recognition system in machine learning'
528	NGIRI-2021-9408	Mirpur University of Science and Technology (MUST)	Mirpur	Computer Science	Geomapping A Service Oriented Architecture
529	NGIRI-2021-8700	Mirpur University of Science and Technology (MUST)	Mirpur	Computer Science & IT	Low Cost Autonomous Street Sweeper for Lahore City Roads
530	NGIRI-2021-7954	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering	Reconfigurable antenna using metamaterials
531	NGIRI-2021-10684	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering	'Smart billing and automatic check system'
532	NGIRI-2021-10694	Mirpur University of Science and Technology (MUST)	Mirpur	Computer System Engineering	'Intelligent wall climber robot'
533	NGIRI-2021-9321	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering	power Generation using funnel wind turbine
534	NGIRI-2021-9719	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering	'Intelligent intensive care kit for remote patient monitoring'
535	NGIRI-2021-10053	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering	'IoT based smart city'
536	NGIRI-2021-10066	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering	'sketching and designing of a robotic hand'
537	NGIRI-2021-10194	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Engineering	'Smart Water Quality Monitoring and Purification system '
538	NGIRI-2021-8661	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering	Hybrid charging station for e vehicles
539	NGIRI-2021-10384	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering	'Design and Fabrication of Dual rotor counter wind turbine'
540	NGIRI-2021-10782	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical Power Engineering	'Power generation using oscillating water column owc'
541	NGIRI-2021-9870	Mirpur University of Science and Technology (MUST)	Mirpur	Electrical/Electronics Engineering	'Achieving Load Balancing in SDN Based High Density WiFi Network'
542	NGIRI-2021-10400	Mirpur University of Science and Technology (MUST)	Mirpur	Mechanical Engineering	'Procurement and assembly of electric vehicle for special person'
543	NGIRI-2021-10449	Mirpur University of Science and Technology (MUST)	Mirpur	Mechanical Engineering	'Design and Development of a Novel Configuration of a Gravitational Water Vortex Heat Exchanger'
544	NGIRI-2021-8335	MNS University of Agriculture, Multan	Main	Computer Science	IoT Based Fish Stress Monitoring System
545	NGIRI-2021-8349	MNS University of Agriculture, Multan	Main	Computer Science	Seed Sowing Robot
546	NGIRI-2021-8446	MNS University of Agriculture, Multan	Main	Computer Science	Aquatic Trash Bin
547	NGIRI-2021-8903	MNS University of Agriculture, Multan	Main	Computer Science	Smart Hydroponic
548	NGIRI-2021-7703	MNS University of Agriculture, Multan	Main	Computer Science & IT	Intelligent Face Mask and Body Temperature Detection System
549	NGIRI-2021-8360	MNS University of Agriculture, Multan	Main	Computer Science & IT	Automatic Hand-Sanitizing Dispenser with thermometer
550	NGIRI-2021-8714	MNS University of Agriculture, Multan	Main	Computer Science & IT	Baby Monitoring Smart Cradle
551	NGIRI-2021-8728	MNS University of Agriculture, Multan	Main	Computer Science & IT	Drain Clog Detector using Tensor Flow
552	NGIRI-2021-8900	MNS University of Agriculture, Multan	Main	Computer Science & IT	Smart Helmet
553	NGIRI-2021-8332	MNS University of Agriculture, Multan	Main	Computer System	IOT based Streetlight Monitoring System
554	NGIRI-2021-9769	MNS University of Agriculture, Multan	Main	Information Technology	Navigational Assistive Shoes
555	NGIRI-2021-9379	Mohammad Ali Jinnah University	Karachi	Bio-Informatics	Micropropagation of garlic
556	NGIRI-2021-9365	Mohammad Ali Jinnah University	Karachi	Biomedical Engineering	Preparation of homemade molecular weight markers
557	NGIRI-2021-9391	Mohammad Ali Jinnah University	Karachi	Biomedical Engineering	Characterization of bacterial genera in zamzam water
558	NGIRI-2021-9405	Mohammad Ali Jinnah University	Karachi	Biomedical Engineering	Biotreatment of Colored Effluents using Immobilized Fungi in Reactor System Isolation, Enumeration and Determination of Antibiotic Susceptibility Pattern of Predominant Microbial Communities Associate with Paper Currency
559	NGIRI-2021-9426	Mohammad Ali Jinnah University	Karachi	Biomedical Engineering	Android Application for Paperless Workflow in an organization
560	NGIRI-2021-9202	Mohammad Ali Jinnah University	Karachi	Computer Science	Busque
561	NGIRI-2021-9264	Mohammad Ali Jinnah University	Karachi	Computer Science	'Applying semantic search and Natural language inference on Quranic Verses'
562	NGIRI-2021-10339	Mohammad Ali Jinnah University	Karachi	Computer Science	'Prodfify'
563	NGIRI-2021-10398	Mohammad Ali Jinnah University	Karachi	Computer Science	'Bloodify'
564	NGIRI-2021-10417	Mohammad Ali Jinnah University	Karachi	Computer Science	'Bloodify'
565	NGIRI-2021-9503	Mohammad Ali Jinnah University	Karachi	Computer System Engineering	'Autonomus drone inspection'
566	NGIRI-2021-9521	Mohammad Ali Jinnah University	Karachi	Computer System Engineering	'Document Verification System Using Blockchain'
567	NGIRI-2021-9534	Mohammad Ali Jinnah University	Karachi	Computer System Engineering	'Blockchain Based Car Rental Application'
568	NGIRI-2021-10478	Mohammad Ali Jinnah University	Karachi	Computer System Engineering	'Low Power Cost Effective Smart Healthcare System with Cloud based Decision Support Mechanism for Portable Monitoring Applications'
569	NGIRI-2021-9249	Mohammad Ali Jinnah University	Karachi	Electrical Engineering	Smart Mask
570	NGIRI-2021-9370	Mohammad Ali Jinnah University	Karachi	Electrical Engineering	Intelligence energy meter and billing system
571	NGIRI-2021-10719	Namal College, Mianwali	Main	Computer Science	'Smart Gas Leakage Detector'
572	NGIRI-2021-7072	Namal College, Mianwali	Main	Electrical Engineering	Telemonitoring via Mobile Robot
573	NGIRI-2021-7616	Namal College, Mianwali	Main	Electrical Engineering	SIGN TO SPEECH
574	NGIRI-2021-8119	Namal College, Mianwali	Main	Electrical Engineering	A high-efficiency on board charger with V2G capability for EVs.
575	NGIRI-2021-8653	Namal College, Mianwali	Main	Electrical Engineering	Designing of an Efficient Electrooculogram (EOG) Based Human-Computer Interface: Eye Controlled Cursor
576	NGIRI-2021-7408	National Textile University	Main	Computer Science	Lcky The Smart Lock
577	NGIRI-2021-8327	National Textile University	Main	Computer Science	Real time Object Detection and Recognition For Blind and Partially Blind People
578	NGIRI-2021-9619	National Textile University	Main	Computer Science	'Augmented Reality based Branding and Marketing App'

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
579	NGIRI-2021-9703	National Textile University	Main	Computer Science	'Smart Wildlife tracking and monitoring system'
580	NGIRI-2021-9718	National Textile University	Main	Computer Science	'COVID-19 FACEMASK AND BODY TEMPERATURE DETECTION'
581	NGIRI-2021-8354	National Textile University	Main	Computer Science & IT	Home Help System
582	NGIRI-2021-8355	National Textile University	Main	Computer Science & IT	Garbage Management System
583	NGIRI-2021-9080	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer Science	Virtual Programming Lab
584	NGIRI-2021-9445	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer Science	Decision Support as a Service
585	NGIRI-2021-9513	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer Science	'Skin Cancer Forecaster: Image-Based Cancer Detection Using Deep Learning'
586	NGIRI-2021-10244	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer Science	'Decision Analytica, A fuzzy MADM decision based support system'
587	NGIRI-2021-10784	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer Science	'Fanoon'
588	NGIRI-2021-10583	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Computer System	'Game based intervention for writing difficulties of dysgraphic children '
589	NGIRI-2021-7295	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical	Cost effective nano grid controller for distributed solar energy storage for small homes
590	NGIRI-2021-6844	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Engineering	Portable Electric Vehicle Charger
591	NGIRI-2021-6860	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Engineering	Non Intrusive Load Monitoring System for Household Appliances using Deep Learning
592	NGIRI-2021-8242	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Engineering	Detection of defects in fabric and quality control in modern textile
593	NGIRI-2021-8297	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Engineering	Optimized Nano Grid for Energy Management in PV installed Small Homes
594	NGIRI-2021-8546	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Engineering	Warehouse Automation and Production Line Control
595	NGIRI-2021-8477	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical Power Engineering	Automated fertigation system powered by solar power
596	NGIRI-2021-8550	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical/Electronics Engineering	IOT Base Smart Parking System
597	NGIRI-2021-8605	National University of Computer and Emerging Sciences (FAST-NU)	Chiniot-Faisalabad	Electrical/Electronics Engineering	Autopack Smart Cartesian Manipulator
598	NGIRI-2021-6568	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Computer Science	Smart dairy
599	NGIRI-2021-8320	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Computer Science	Polyps Detection Using Image Segmentation Algorithms
600	NGIRI-2021-8340	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Computer Science	Automated Secure Updates for IoTs
601	NGIRI-2021-8445	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Computer Science	Accident Warning System
602	NGIRI-2021-8639	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Computer Science	Sign Language Recognition using Myo Gesture Control Armband
603	NGIRI-2021-7498	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Electrical Engineering	SOLAR POWERED AUTOMATED PESTICIDE SPRAYING ROBOT
604	NGIRI-2021-8254	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Electrical Engineering	Search and Rescue Drone
605	NGIRI-2021-9382	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Electrical Engineering	Autonomous vehicle using Computer Vision
606	NGIRI-2021-10551	National University of Computer and Emerging Sciences (FAST-NU)	Karachi	Electrical Engineering	'Covid Defender'
607	NGIRI-2021-9555	National University of Computer and Emerging Sciences (FAST-NU)	Lahore	Computer Science	'Optimal Path Planning of Autonomous Robots'
608	NGIRI-2021-6713	National University of Computer and Emerging Sciences (FAST-NU)	Lahore	Electrical Engineering	Precision Home Agriculture and Refined Market Evaluation Resource PHARMER
609	NGIRI-2021-6815	National University of Computer and Emerging Sciences (FAST-NU)	Lahore	Electrical Engineering	Anti Dozing Device for Drivers
610	NGIRI-2021-7774	National University of Computer and Emerging Sciences (FAST-NU)	Main	Computer Science	Industrial Control Test Bench
611	NGIRI-2021-9277	National University of Computer and Emerging Sciences (FAST-NU)	Main	Computer Science	RARRoad
612	NGIRI-2021-9685	National University of Computer and Emerging Sciences (FAST-NU)	Main	Computer Science	'Vehicle Speed Checking System'
613	NGIRI-2021-10062	National University of Computer and Emerging Sciences (FAST-NU)	Main	Computer Science	'SmartGharana'
614	NGIRI-2021-10034	National University of Computer and Emerging Sciences (FAST-NU)	Main	Computer System	'Scout Rover'
615	NGIRI-2021-6800	National University of Computer and Emerging Sciences (FAST-NU)	Main	Electrical Engineering	Hydroponics System based on IoT
616	NGIRI-2021-8292	National University of Computer and Emerging Sciences (FAST-NU)	Main	Electrical Engineering	Autonomous Luggage Carrier
617	NGIRI-2021-9651	National University of Computer and Emerging Sciences (FAST-NU)	Main	Electrical Engineering	'Smart Boiler: System Analyzer Using iot and Sensing Faults'
618	NGIRI-2021-9836	National University of Computer and Emerging Sciences (FAST-NU)	Main	Electrical Engineering	'Automated Burger Machine'
619	NGIRI-2021-10181	National University of Computer and Emerging Sciences (FAST-NU)	Main	Electrical Engineering	'Smart Water Tracking and Distribution System'
620	NGIRI-2021-7528	National University of Computer and Emerging Sciences (FAST-NU)	Peshawar	Computer Science	Dynamic Traffic Management System
621	NGIRI-2021-7542	National University of Computer and Emerging Sciences (FAST-NU)	Peshawar	Computer Science	Detection of Autism Spectrum Disorder using EEG signals

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
622	NGIRI-2021-7566	National University of Computer and Emerging Sciences (FAST-NU)	Peshawar	Computer Science	FYP Title Wireless Tracking and Sensing Systems for Mine Safety and Security
623	NGIRI-2021-8936	National University of Computer and Emerging Sciences (FAST-NU)	Peshawar	Computer Science	Controlling 3D gaming agent in an adversarial setting with Deep Reinforcement Learning
624	NGIRI-2021-9206	National University of Computer and Emerging Sciences (FAST-NU)	Peshawar	Computer Science	Iris based Noninvasive Glucose Monitoring System
625	NGIRI-2021-7766	National University of Modern Languages	Islamabad	Computer Science	Sicurezza Handgun Detection
626	NGIRI-2021-10002	National University of Modern Languages	Islamabad	Computer Science	'Smart Home Using IoT'
627	NGIRI-2021-10184	National University of Modern Languages	Islamabad	Computer Science	'FACE DETECTION AND CROWD COUNTING USING DRONE (U.A.V.)'
628	NGIRI-2021-10407	National University of Modern Languages	Islamabad	Computer Science	'Real time water quality Monitoring system through IOT'
629	NGIRI-2021-9531	National University of Modern Languages	Islamabad	Electrical Engineering	'Automated Hybrid Grass Cutter '
630	NGIRI-2021-9287	National University of Modern Languages	Islamabad	Software Engineering	Driver Safety Assistance
631	NGIRI-2021-7468	National University of Modern Languages	Rawalpindi	Electrical Engineering	Solar Charge Controller Using MPPT
632	NGIRI-2021-7469	National University of Modern Languages	Rawalpindi	Electrical Engineering	Automated inspection and sorting of vegetables
633	NGIRI-2021-8141	National University of Modern Languages	Rawalpindi	Electrical Engineering	Smart and automatic bird egg incubator using arduino
634	NGIRI-2021-8375	National University of Modern Languages	Rawalpindi	Electrical Engineering	Robotic Vacuum Cleaner
635	NGIRI-2021-8520	National University of Modern Languages	Rawalpindi	Electrical Engineering	Solar based ECG device with optimal power consumption
636	NGIRI-2021-7483	National University of Modern Languages	Rawalpindi	Electrical/Electronics Engineering	Military War Robot
637	NGIRI-2021-7574	National University of Modern Languages	Rawalpindi	Electrical/Electronics Engineering	Energy Production Using Industrial Waste
638	NGIRI-2021-8350	National University of Modern Languages	Rawalpindi	Electrical/Electronics Engineering	Electrical Impedance tomography
639	NGIRI-2021-6969	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering	Development of Infrared Thermographic System for remote monitoring of temperature
640	NGIRI-2021-7232	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering	Algorithm Development for Localization using Time Difference of arrival and its Hardware implementation
641	NGIRI-2021-8968	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering	Development of Tester for Avionics Suite of Trainer aircraft
642	NGIRI-2021-10482	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering	'Design of Smart Antennae for mmWave Communication'
643	NGIRI-2021-10630	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics Engineering	FORMATION FLIGHT OF DRONES IN REAL TIME
644	NGIRI-2021-7060	National University of Science and Technology (NUST)	(CAE) College of Aeronautical Engineering	Avionics/Aeronautical Engineering	Cooperative Payload Delivery Using Multiple Quadrotor Drones
645	NGIRI-2021-7385	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical Engineering	Pick and Place Robotic Arm
646	NGIRI-2021-7667	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical Engineering	Autonomous Firefighting Drone
647	NGIRI-2021-7607	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical Power Engineering	ARCBEV (A Rapid Charger for BEVs)
648	NGIRI-2021-6602	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical/Electronics Engineering	Self Navigating Car
649	NGIRI-2021-7113	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical/Electronics Engineering	Transformer Health Monitoring System using FPGA
650	NGIRI-2021-9750	National University of Science and Technology (NUST)	(PNEC) Pakistan Naval Engineering College	Electrical/Electronics Engineering	'MOBILE PLATFORM DRIVER MONITORING AND SAFETY SYSTEM'
651	NGIRI-2021-8248	National University of Science and Technology (NUST)	CEME	Computer Engineering	Epilepsy Monitoring Band
652	NGIRI-2021-8750	National University of Science and Technology (NUST)	CEME	Computer Engineering	Autonomous UAV based Surveillance and Security System
653	NGIRI-2021-8861	National University of Science and Technology (NUST)	CEME	Computer Engineering	ActiveDrive Driver Drowsiness Detection System
654	NGIRI-2021-7486	National University of Science and Technology (NUST)	CEME	Electrical Engineering	Real-time Monitoring, Analysis and Predictive Maintenance of Industrial Machinery based on industry 4.0 concept using IoTs
655	NGIRI-2021-8996	National University of Science and Technology (NUST)	CEME	Electrical Engineering	Automation of Vehicle for Self Driving car
656	NGIRI-2021-6604	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering	Autonomous vehicle for grapeyard
657	NGIRI-2021-7005	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering	Human Interaction Robot with Medical Instrumentation
658	NGIRI-2021-8593	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering	Dynamic Obstacle Avoidance Using Mobile Robots
659	NGIRI-2021-8790	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering	3-Axis Modular CNC Milling Machine
660	NGIRI-2021-9289	National University of Science and Technology (NUST)	CEME	Mechatronics Engineering	Battery less and Wireless Conveyor Belt System
661	NGIRI-2021-6612	National University of Science and Technology (NUST)	Main	Electrical Engineering	IoT and Machine Learning enabled smart Livestock Monitoring

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S.No	FYP Code	University	Campus	Department	Project Title
662	NGIRI-2021-6811	National University of Science and Technology (NUST)	Main	Electrical Engineering	Point of Care Electrochemical Sensor for Typhoid
663	NGIRI-2021-7017	National University of Science and Technology (NUST)	Main	Electrical Engineering	Artificial Intelligence and Internet of Things based System for Crop Monitoring
664	NGIRI-2021-10622	National University of Science and Technology (NUST)	Main	Electronics	'Overcoming overthinking in individuals'
665	NGIRI-2021-6891	National University of Science and Technology (NUST)	Main	Mechanical Engineering	Smart Wheelchair Cushion
666	NGIRI-2021-9738	National University of Science and Technology (NUST)	Main	Mechanical Engineering	'Dragonfly Micro UAV'
667	NGIRI-2021-6796	National University of Science and Technology (NUST)	MCS	Electrical Engineering	Vision
668	NGIRI-2021-8556	National University of Science and Technology (NUST)	MCS	Electrical Engineering	WiFiFly
669	NGIRI-2021-7011	National University of Science and Technology (NUST)	MCS	Software Engineering	Keen Ear
670	NGIRI-2021-7306	National University of Science and Technology (NUST)	MCS	Software Engineering	Tremor Detect
671	NGIRI-2021-7454	National University of Science and Technology (NUST)	MCS	Software Engineering	Automated-Asset Management
672	NGIRI-2021-7686	National University of Science and Technology (NUST)	MCS	Software Engineering	ROAD
673	NGIRI-2021-6550	National University of Science and Technology (NUST)	MCS	Telecom Engineering	Wireless Interception and Sniffing Via SDR
674	NGIRI-2021-6552	National University of Science and Technology (NUST)	MCS	Telecom Engineering	Suspicious Speech Tracking Using Machine Learning
675	NGIRI-2021-6553	National University of Science and Technology (NUST)	MCS	Telecom Engineering	smart infant monitoring system
676	NGIRI-2021-9533	Nazeer Hussain University	Main	Computer Science	Smart IoT based Contactless COVID Vitals Monitoring System
677	NGIRI-2021-7097	NED University of Engineering & Technology	Karachi	Biomedical Engineering	Design of a Tele-Health Monitor for remote patient monitoring and specific disease prediction via ECG
678	NGIRI-2021-7287	NED University of Engineering & Technology	Karachi	Biomedical Engineering	Fabrication and Characterization of Hydroxyapatite from Bio-resources.
679	NGIRI-2021-7565	NED University of Engineering & Technology	Karachi	Biomedical Engineering	Fabrication and Characterization of Nanobioactive glass based composite for Tissue Engineering
680	NGIRI-2021-8184	NED University of Engineering & Technology	Karachi	Biomedical Engineering	Design of an Assistive Stabilizing Spoon for Parkinsonism Patients
681	NGIRI-2021-7453	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering	AN EFFICIENT CROP HEALTH MONITORING SYSTEM USING AERIAL IMAGES
682	NGIRI-2021-7626	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering	Lane centering AI for Autonomous Vehicles
683	NGIRI-2021-7630	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering	Mitigating Catastrophic Forgetting for Zero Shot Cross Lingual Transfer
684	NGIRI-2021-7725	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering	Malware Identification using Endpoint Detection and Response to Safeguard Enterprise Networks
685	NGIRI-2021-7728	NED University of Engineering & Technology	Karachi	Computer & Information System Engineering	Design of Electronic Soil Micro Nutrient Sensor using Machine Learning to Detect N, P, K and pH Parameters
686	NGIRI-2021-10584	NED University of Engineering & Technology	Karachi	Computer Science & IT	'Machine Learning based Models for Early Screening and Detection of Hematologic Cancer using Complete Blood Count(CBC)'
687	NGIRI-2021-6607	NED University of Engineering & Technology	Karachi	Computer System Engineering	Automated Industrial Robotic Arm for High-Speed Assembly Lines
688	NGIRI-2021-7620	NED University of Engineering & Technology	Karachi	Computer System Engineering	Electrocardiogram interpreter using pattern matching algorithm
689	NGIRI-2021-7726	NED University of Engineering & Technology	Karachi	Computer System Engineering	Automatic Code Generation for Web Frontend using Artificial Intelligence
690	NGIRI-2021-9923	NED University of Engineering & Technology	Karachi	Electrical Engineering	'Design and monitoring of inverter and charge controller for comparative analysis of single and dual battery PV system'
691	NGIRI-2021-10297	NED University of Engineering & Technology	Karachi	Electrical Engineering	'The wireless integrated Mesh network Building Management System using Zigbee'
692	NGIRI-2021-7437	NED University of Engineering & Technology	Karachi	Electronics Engineering	AUTOMATED DIAGNOSIS OF DIABETIC RETINOPATHY USING FUNDUS IMAGES
693	NGIRI-2021-7482	NED University of Engineering & Technology	Karachi	Electronics Engineering	Smart Visual Guidance System For Visually Challenged People
694	NGIRI-2021-8026	NED University of Engineering & Technology	Karachi	Electronics Engineering	Energy Harnessing And Harvesting By Piezoelectric Sensors
695	NGIRI-2021-9994	NED University of Engineering & Technology	Karachi	Electronics Engineering	'Vehicle Detection using UAV'
696	NGIRI-2021-10108	NED University of Engineering & Technology	Karachi	Electronics Engineering	'High Efficient Maximum Power Point Tracking (MPPT) Solar Inverter'
697	NGIRI-2021-7541	NED University of Engineering & Technology	Karachi	Mechanical Engineering	Design and fabrication of a durability testing machine for spring seat of strut
698	NGIRI-2021-7831	NED University of Engineering & Technology	Karachi	Mechanical Engineering	Geothermal Water cooled Air Conditioner
699	NGIRI-2021-10262	NED University of Engineering & Technology	Karachi	Mechanical Engineering	'Robotic Welding Station'
700	NGIRI-2021-10599	NED University of Engineering & Technology	Karachi	Mechanical Engineering	'Development of Textile Based Antennas'
701	NGIRI-2021-10668	NED University of Engineering & Technology	Karachi	Mechanical Engineering	'SIMULATION MODELLING OF FABRIC ACTUATORS'
702	NGIRI-2021-8334	NED University of Engineering & Technology	Karachi	Software Engineering	Real Time Crowd Counting COVID SOPs Detection System
703	NGIRI-2021-10338	NED University of Engineering & Technology	Karachi	Software Engineering	'Early detection and segmentation of malignant brain tumors using machine learning'
704	NGIRI-2021-6704	NED University of Engineering & Technology	Karachi	Telecom Engineering	air pollution detector
705	NGIRI-2021-7878	NED University of Engineering & Technology	Karachi	Telecom Engineering	IOT Based Smart Parking System
706	NGIRI-2021-8391	NED University of Engineering & Technology	Karachi	Telecom Engineering	millimeter Wave Radar based pedestrian and vehicle detection for Autonomous cars.
707	NGIRI-2021-9250	NED University of Engineering & Technology	Karachi	Telecom Engineering	Smart waste management system
708	NGIRI-2021-8056	NFC Institute of Engineering and Technology (NFC-UET)	Multan	Electrical Engineering	Novel Inverter using Field Modulation of AC Machine
709	NGIRI-2021-8070	NFC Institute of Engineering and Technology (NFC-UET)	Multan	Electrical Engineering	DESIGNING AND IMPLEMENTING INDIGENIOUS PLC FOR DIFFERENT CONTROLS IN DCS

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S.No	FYP Code	University	Campus	Department	Project Title
710	NGIRI-2021-9439	NFC Institute of Engineering and Technology (NFC-UET)	Multan	Electrical Engineering	Comparative study of various Batteries and Fuel cell using MATLAB simulation and connecting various load.
711	NGIRI-2021-7308	PAF Karachi Institute of Economics and Technology	Main	Avionics Engineering	FPGA/RaspberryPi Based Teleoperation Flight Control Station/System.
712	NGIRI-2021-7689	PAF Karachi Institute of Economics and Technology	Main	Avionics Engineering	Embedded Motion Cueing System for Flight Simulator
713	NGIRI-2021-8709	PAF Karachi Institute of Economics and Technology	Main	Computer & Information System Engineering	Medilance
714	NGIRI-2021-8153	PAF Karachi Institute of Economics and Technology	Main	Computer Science	Sign Language Converter and Trainer
715	NGIRI-2021-8378	PAF Karachi Institute of Economics and Technology	Main	Computer Science	App for Deaf
716	NGIRI-2021-8813	PAF Karachi Institute of Economics and Technology	Main	Computer Science	Integrated Pollution Monitoring System
717	NGIRI-2021-8858	PAF Karachi Institute of Economics and Technology	Main	Computer Science	Smart Kitchen Cabinet
718	NGIRI-2021-9701	PAF Karachi Institute of Economics and Technology	Main	Computer Science	'V DOC'
719	NGIRI-2021-8024	PAF Karachi Institute of Economics and Technology	Main	Computer Science & IT	E-Walk
720	NGIRI-2021-8167	PAF Karachi Institute of Economics and Technology	Main	Computer Science & IT	Paying Guest
721	NGIRI-2021-9079	PAF Karachi Institute of Economics and Technology	Main	Computer Science & IT	Sign Language Recognition Using Image Processing
722	NGIRI-2021-9151	PAF Karachi Institute of Economics and Technology	Main	Computer Science & IT	Rare Event Detection Using Deep Learning Algorithm
723	NGIRI-2021-7410	PAF Karachi Institute of Economics and Technology	Main	Electrical/Electronics Engineering	Smart Farming System
724	NGIRI-2021-7983	PAF Karachi Institute of Economics and Technology	Main	Electrical/Electronics Engineering	IOT Based Vertical Organic Farming using Hydroponic Method
725	NGIRI-2021-6974	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering	Klann Mechanism Walking Robot For Surveillance and Spying
726	NGIRI-2021-7868	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering	Enabling industrial robotic arm for complex maneuvers using Robot Operating System
727	NGIRI-2021-8195	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering	Autonomous Navigation of Customized ROS based Quadcopter using ORB SLAM with Nvidia Jetson Nano and Stereo Image Processing or LIDAR Waypoint Tracking
728	NGIRI-2021-8913	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering	BE MECHATRONICS
729	NGIRI-2021-9760	PAF Karachi Institute of Economics and Technology	Main	Mechatronics Engineering	'Wall painting robot '
730	NGIRI-2021-8992	PAF Karachi Institute of Economics and Technology	Main	Software Engineering	Health and Safety Compliance System for Post COVID
731	NGIRI-2021-6829	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science	Intelligent Autonomous Quadcopter
732	NGIRI-2021-8016	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science	Wireless Bomb Diffusing Robot
733	NGIRI-2021-8064	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science	Sentinel Advance Surveillance
734	NGIRI-2021-8162	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science	Smart Wheel Chair with Health Monitoring
735	NGIRI-2021-8838	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science	Grasshopper Prevention System
736	NGIRI-2021-8738	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science & IT	Eye star
737	NGIRI-2021-9013	PAF Karachi Institute of Economics and Technology	North Campus	Computer Science & IT	Mehndi Plotter
738	NGIRI-2021-8932	PAF Karachi Institute of Economics and Technology	North Campus	Computer System	Grass cutting
739	NGIRI-2021-9449	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical	DEVELOPMENT, IMPROVEMENT AND IMPLEMENTATION OF SCHEMES FOR CYBER PHYSICAL ATTACKS AND FAULT DETECTION
740	NGIRI-2021-8652	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical Engineering	Implementation of Control and Supervision of Cyber Physical Systems interfaced through PLCs with Attack and Fault Analysis
741	NGIRI-2021-8782	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical Engineering	Neurofeedback for Impaired Person while Driving a Brain Controlled Wheelchair
742	NGIRI-2021-9638	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical Engineering	'Design of the Controlled Environment Vertical Farming facility supplied from PV system'
743	NGIRI-2021-10681	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical Engineering	'Design and development of a PLC based solar tracking system'
744	NGIRI-2021-10765	Pakistan Institute of Engineering and Applied Sciences (PIEAS)	Islamabad	Electrical Engineering	'Solar powered autoirrigation system'
745	NGIRI-2021-7479	PMAS - Arid Agriculture University	University Institute of Information Technology	Computer Science	Decentralized Health Care System using Blockchain
746	NGIRI-2021-10125	PMAS - Arid Agriculture University	University Institute of Information Technology	Computer Science	'Intelligent sprayer system for weeds control in crops'
747	NGIRI-2021-10364	PMAS - Arid Agriculture University	University Institute of Information Technology	Computer Science	'Deep Learning based Intelligent Fruit Detection and Grading System'
748	NGIRI-2021-9215	PMAS - Arid Agriculture University	University Institute of Information Technology	Computer Science & IT	Weed Wreck

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S.No	FYP Code	University	Campus	Department	Project Title
749	NGIRI-2021-10188	PMAS - Arid Agriculture University	University Institute of Information Technology	Computer Science & IT	'Development of Artificial Intelligence(AI) Based Mobile App for Diagnoses and Treatment of Citrus Disorders'
750	NGIRI-2021-9302	PMAS - Arid Agriculture University	University Institute of Information Technology	Information Technology	Dynamic Application for Green House Monitoring
751	NGIRI-2021-10770	PMAS - Arid Agriculture University	University Institute of Information Technology	Information Technology	'Vehicle Tracking System'
752	NGIRI-2021-10000	PMAS - Arid Agriculture University	University Institute of Information Technology	Software Engineering	'Crop (Sunflower) Yield Estimator and Growth Accessor System Using Machine Learning'
753	NGIRI-2021-9950	PMAS - Arid Agriculture University	University Institute of Information Technology	UIIT	'Real-time Traffic Management and Vehicle Number Plate Detection'
754	NGIRI-2021-10107	PMAS - Arid Agriculture University	University Institute of Information Technology	UIIT	'PosGestix Recognizer'
755	NGIRI-2021-10214	PMAS - Arid Agriculture University	University Institute of Information Technology	UIIT	'IOT intelligent based plant watering system'
756	NGIRI-2021-10393	PMAS - Arid Agriculture University	University Institute of Information Technology	UIIT	'Dual Secured Security System'
757	NGIRI-2021-10771	PMAS - Arid Agriculture University	University Institute of Information Technology	UIIT	'SMART BIOFLOC'
758	NGIRI-2021-6555	Punjab University	PUCIT, New Campus	Software Engineering	A Computer Vision Based System to Monitor Crop health
759	NGIRI-2021-9544	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electrical Engineering	'modified Electric vehicle '
760	NGIRI-2021-7651	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics	Advanced Audio Aid for Blind people using Raspberry Pi
761	NGIRI-2021-9387	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics	IoT BASED SMART POWER SOCKET FOR MO MONITORING AND CONTROLLING ELECTRICAL HOME APPLIANCES
762	NGIRI-2021-6578	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineering	Milk Pureness Detection System
763	NGIRI-2021-6586	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineering	Energy Saving For Buildings using Occupancy Sensory System
764	NGIRI-2021-9937	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineering	'Facial Recognition Based Door Lock With Raspberry Pi'
765	NGIRI-2021-10470	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Electronics Engineering	'Smart Aqua Culture system '
766	NGIRI-2021-9959	Quaid-e-Awam University of Engineering, Science & Technology (QUEST)	Nawabshah	Telecom Engineering	'Attendance System through RFID'
767	NGIRI-2021-10792	Quaid-e-Azam College of Engineering & Technology	Sahiwal	Electrical Engineering	'Synchronized Dual Axis Movement of Multiple Solar Panels Using One Controlling unit for Maximum Power Point Tracking MPPT'
768	NGIRI-2021-10794	Quaid-e-Azam College of Engineering & Technology	Sahiwal	Electrical Engineering	'Smart Railway Operation and Management System Using Arduino'
769	NGIRI-2021-9255	Quaid-e-Azam College of Engineering & Technology	Sahiwal	Electrical Power Engineering	Automation,control and protection of home and office appliances
770	NGIRI-2021-9745	Quaid-e-Azam College of Engineering & Technology	Sahiwal	Mechanical Engineering	'Design and Fabrication for External and Internal Respiration Electro Mechanical Ventilator '
771	NGIRI-2021-6788	Quaid-e-Azam University	Main	Computer Science	Cricket Bowling Training app for Kids elbow extension analysis
772	NGIRI-2021-7074	Quaid-e-Azam University	Main	Computer Science	Automatic Quantification of wheat spikes using Neural Networks
773	NGIRI-2021-10265	Quaid-e-Azam University	Main	Computer Science	'ECG monitoring system using IOT'
774	NGIRI-2021-10282	Quaid-e-Azam University	Main	Computer Science	'Smart Electricity Manager'
775	NGIRI-2021-10287	Quaid-e-Azam University	Main	Computer Science	'Smart Garden Health Monitor App'
776	NGIRI-2021-10212	Quaid-e-Azam University	Main	Electronics	'Super Lattices and its applications '
777	NGIRI-2021-7586	Riphah International University	Faisalabad	Computer Science	Monitoring Network through SIEM using IDS, IPS and EDR
778	NGIRI-2021-9684	Riphah International University	Faisalabad	Computer Science	'Emotion Mining From Text using Machine Learning '
779	NGIRI-2021-10381	Riphah International University	Faisalabad	Computer Science	'Behavior Analyzer'
780	NGIRI-2021-8458	Riphah International University	Faisalabad	Computing and Technology	Water Detection for traffic monitoring Using GIS
781	NGIRI-2021-6997	Riphah International University	Faisalabad	Electrical Engineering	Prosthetic Hand Using Surface EMG Signals
782	NGIRI-2021-7004	Riphah International University	Faisalabad	Electrical Engineering	Design and control of a Directional Mobile Electromagnetic Pulse Generator
783	NGIRI-2021-7123	Riphah International University	Faisalabad	Electrical Engineering	IOT Based Autonomous Smart Sprouting System
784	NGIRI-2021-9543	Riphah International University	Faisalabad	Software Engineering	'Multilingual Opinion mining and its stance detection by using Machine learning'
785	NGIRI-2021-6705	Riphah International University	Islamabad	Biomedical Engineering	Development of Mechanoreceptors using Nanofibers for Artificial Skin
786	NGIRI-2021-7132	Riphah International University	Islamabad	Biomedical Engineering	Design and Development of Vital Parameter Patient Monitor
787	NGIRI-2021-7207	Riphah International University	Islamabad	Biomedical Engineering	Development of Infusion System for Controlled Drug Delivery
788	NGIRI-2021-6582	Riphah International University	Islamabad	Computer Engineering	VLock
789	NGIRI-2021-9416	Riphah International University	Islamabad	Computer Science	Bikers World
790	NGIRI-2021-10038	Riphah International University	Islamabad	Software Engineering	'Water Quality Checking'
791	NGIRI-2021-10092	Riphah International University	Islamabad	Software Engineering	'Automated car sale system'
792	NGIRI-2021-9051	Riphah International University	Lahore	Electrical Engineering Technology	Power Generation Through Pico Hydro System
793	NGIRI-2021-6734	Sardar Bahadur Khan Women's University, Quetta	Quetta	Computer Science	Smart Desert Locust For Farming

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S.No	FYP Code	University	Campus	Department	Project Title
794	NGIRI-2021-7049	Sardar Bahadur Khan Women's University, Quetta	Quetta	Computer Science	Smart Eye
795	NGIRI-2021-7095	Sardar Bahadur Khan Women's University, Quetta	Quetta	Computer Science	online products recognition through augmented reality
796	NGIRI-2021-8174	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology	virtual mirror dressing room
797	NGIRI-2021-8188	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology	Banado Construction
798	NGIRI-2021-9351	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology	Object detection system for blind people
799	NGIRI-2021-10682	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nawabshah	Information Technology	'Plants diseases detection using image processing'
800	NGIRI-2021-9008	Shaheed Benazir Bhutto University, Shaheed Benazirabad	Nowshahro Feroze	Information Technology	Vehicle Management System
801	NGIRI-2021-8272	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Hyderabad	Computer Science	COVIDSafe
802	NGIRI-2021-8755	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Hyderabad	Computer Science	DOCUMENT VERIFICATION THROUGH BLOCKCHAIN
803	NGIRI-2021-9843	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Science	'Intelligent Health Monitoring System Using Deep Learning'
804	NGIRI-2021-10017	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer Science	'Alzheimerâ€™s Caretaker '
805	NGIRI-2021-9890	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Computer System	'Real time Driver Drowsiness Detection System'
806	NGIRI-2021-9632	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Software Engineering	EMINER: An Android Application for Emotion Detection using AI Techniques
807	NGIRI-2021-9785	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Islamabad	Software Engineering	'Deep Learning Based Framework for Colorectal Polyp Classification'
808	NGIRI-2021-7978	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Larkana	Computer Science	BizOne Inventory Management System
809	NGIRI-2021-9016	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Engineering	Raspberry Pi based: Smart Anti-Theft Flooring System
810	NGIRI-2021-9268	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science	Pneumonia and Covid-19 detection from Chest-PA X-ray Using Convolutional Neural Networks
811	NGIRI-2021-9413	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science	3D Interactive Adventure Fantasy Mystery Game
812	NGIRI-2021-9894	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science	'HandiText Sign Language Recognition'
813	NGIRI-2021-9906	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science	'Adversial attack on machine learning'
814	NGIRI-2021-10134	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Computer Science	'Automatic Class Attendance System'
815	NGIRI-2021-6752	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering	Autonomous Delivery Drone
816	NGIRI-2021-7393	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering	THE GERMICIDE HATCH
817	NGIRI-2021-8615	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering	prototype of a low cost and portable mechanical ventilator with bacteria filter
818	NGIRI-2021-9187	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering	Self Guided Logistic System
819	NGIRI-2021-10220	Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)	Main	Mechatronics Engineering	'Plant 4.0 (Initializing plant incubator with IOT) '
820	NGIRI-2021-7887	Sindh Agrculture University	Tando Jam	Information & Communication Technology	(IOT BASED SMART DRINKING WATER CHECKING DEVICE WITH FLUTTER APPLICATION)
821	NGIRI-2021-7046	Sindh Agrculture University	Tando Jam	Information Technology	IOT BASED HOME SURVEILLANCE SYSTEM
822	NGIRI-2021-7749	Sindh Agrculture University	Tando Jam	Information Technology	AI based Motor Vehicles Detection and Tracking System using Arduino and Android App (MVDT system)
823	NGIRI-2021-7801	Sindh Agrculture University	Tando Jam	Information Technology	Smart Water Tank
824	NGIRI-2021-7979	Sindh Agrculture University	Tando Jam	Information Technology	Temperature Monitoring System Using Contactless Face Detection Technology
825	NGIRI-2021-8164	Sindh Agrculture University	Tando Jam	Information Technology	Gesture Based Smart Glove For Controlling Multimedia Projector
826	NGIRI-2021-9238	Sindh Madresatul Islam University	Karachi	Computer Science	Unstable Children Emotion Detection
827	NGIRI-2021-9274	Sindh Madresatul Islam University	Karachi	Computer Science	Miniature Learning Management System
828	NGIRI-2021-9281	Sindh Madresatul Islam University	Karachi	Computer Science	IShop
829	NGIRI-2021-9229	Sindh Madresatul Islam University	Karachi	Computer Science & IT	Online Student Counselling Management System
830	NGIRI-2021-10672	Sir Syed Institute of Technology, Islamabad	CASE	Computer Science	'Crime Detection in Local Languages'
831	NGIRI-2021-10690	Sir Syed Institute of Technology, Islamabad	CASE	Computer Science	'Personality Prediction Using Video Processing'
832	NGIRI-2021-10734	Sir Syed Institute of Technology, Islamabad	CASE	Computer Science	'Human Personality Prediction Using Automated Handwriting Analysis'
833	NGIRI-2021-7588	Sir Syed Institute of Technology, Islamabad	CASE	Electrical	Application of MEMS Accelerometer in Shock Event Monitoring and Collision Detection
834	NGIRI-2021-7476	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering	Anamolous Activity Recognition using Deep Learning Techniques
835	NGIRI-2021-7559	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering	Virtual Tele Presence Robot
836	NGIRI-2021-8906	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering	Self Driving Car using AI
837	NGIRI-2021-9024	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering	Programming a Purpose Based Humanoid Robot
838	NGIRI-2021-9266	Sir Syed Institute of Technology, Islamabad	CASE	Electrical Engineering	Distributed Resource Allocation in Device to Devise Five G
839	NGIRI-2021-9862	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering	'DIALYZER REPROCESSING UNIT FOR PATIENT WITH ESRD'
840	NGIRI-2021-9948	Sir Syed University of Engineering and Technology (SSUET)	Main	Biomedical Engineering	'Portable health tracking system for COVID era'
841	NGIRI-2021-10241	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering	'Coal Mine Control and Monitoring System IOT Based'

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S.No	FYP Code	University	Campus	Department	Project Title
842	NGIRI-2021-10370	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering	'AGRITECH PROJECT WITH PRECISION FARMING'
843	NGIRI-2021-10431	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering	'AGRI CROPTRACKER SENSEFLY'
844	NGIRI-2021-10446	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering	'Bucket Delivery Drone'
845	NGIRI-2021-10510	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Engineering	'YouPick'
846	NGIRI-2021-8718	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science	Treating Anxiety In A School Setting
847	NGIRI-2021-9998	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science	'Soccer Flix'
848	NGIRI-2021-10044	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science	'MechIn'
849	NGIRI-2021-10334	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science	'LisTra Efficient Video to Text Generation'
850	NGIRI-2021-10588	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science	'Game The Identity : Fallen Heroes'
851	NGIRI-2021-8727	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT	Hazard Activator
852	NGIRI-2021-8736	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT	Demand forecasting for Retail Stock Using Machine Learning
853	NGIRI-2021-10055	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT	'Dr Fitness'
854	NGIRI-2021-10061	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT	'Translating Egyptian Hieroglyphics using Deep Learning'
855	NGIRI-2021-10474	Sir Syed University of Engineering and Technology (SSUET)	Main	Computer Science & IT	'Smart Autism Therapist'
856	NGIRI-2021-9884	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineering	'Cleaning Robot'
857	NGIRI-2021-9895	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineering	'Three D holography advertisement on vehicle using iot'
858	NGIRI-2021-10582	Sir Syed University of Engineering and Technology (SSUET)	Main	Electronics Engineering	'Automatic Roti maker'
859	NGIRI-2021-9903	Sir Syed University of Engineering and Technology (SSUET)	Main	Engineering and Sciences	'Advanced Building Fire Safety Damage Monitoring and Automation'
860	NGIRI-2021-8277	Sir Syed University of Engineering and Technology (SSUET)	Main	Information Technology	Dress Code Detection and Sounding Buzzer using Deep Neural Network
861	NGIRI-2021-7177	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering	Automated Villas
862	NGIRI-2021-8832	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering	Facial Recognition System
863	NGIRI-2021-8834	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering	Smart Unmanned Aerial Vehicle
864	NGIRI-2021-10514	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering	'Validation of drugs and traceability of counterfeit-drugs using blockchain'
865	NGIRI-2021-10540	Sir Syed University of Engineering and Technology (SSUET)	Main	Software Engineering	'Quick witted Embedded Vehicular System'
866	NGIRI-2021-10846	Sir Syed University of Engineering and Technology (SSUET)	Main	Telecom Engineering	'IOT Based Smart Shopping Cart'
867	NGIRI-2021-7553	Sukkur IBA University	Main	Computer Science	Online Market Place
868	NGIRI-2021-9868	Sukkur IBA University	Main	Computer Science	'MUSCULOSKELETAL DISORDER DETECTION OF WRIST USING VOTING-BASED CLASSIFICATION SYSTEM'
869	NGIRI-2021-10012	Sukkur IBA University	Main	Computer Science	'Brain Cancer Detection using MRI Images'
870	NGIRI-2021-10325	Sukkur IBA University	Main	Computer Science	'SmartQ'
871	NGIRI-2021-10647	Sukkur IBA University	Main	Computer Science	'Violence detection on Surveillance using Convolutional Neural Networks'
872	NGIRI-2021-7093	Sukkur IBA University	Main	Electrical Engineering	Soccer Robo Team
873	NGIRI-2021-8280	Sukkur IBA University	Main	Electrical Engineering	IoT Based Smart Parking System
874	NGIRI-2021-10464	Sukkur IBA University	Main	Electrical Engineering	'Network connected Over/Under Voltage, Current & Frequency protection Circuit'
875	NGIRI-2021-10451	Sukkur IBA University	Main	Electrical/Electronics Engineering	'IoT based Health Care Beds for the monitoring of Sleep Patterns system of SCI patients'
876	NGIRI-2021-10376	The Islamia University of Bahawalpur	Baghdad	Electrical Engineering	'Design and implementation of smart metering using AMI technique'
877	NGIRI-2021-10386	The Islamia University of Bahawalpur	Baghdad	Electrical Engineering	'IOT Based wireless System Home Automation '
878	NGIRI-2021-8698	The Islamia University of Bahawalpur	Baghdad	Electrical Power Engineering	Electro Saving Android App: Smart Electrical Energy Consumption Monitoring and Control
879	NGIRI-2021-9792	The Islamia University of Bahawalpur	Baghdad	Electrical Power Engineering	'Smart Town and Energy Management System by HRES'
880	NGIRI-2021-9793	The Islamia University of Bahawalpur	Baghdad	Electrical Power Engineering	'Locust Free Field with an Agricultural Robot '
881	NGIRI-2021-10507	The Islamia University of Bahawalpur	Baghdad	Electrical Power Engineering	'Microcontroller based design and implemetation of medical monitoring system for patients'
882	NGIRI-2021-7096	The Islamia University of Bahawalpur	Baghdad	Telecom Engineering	A wearable self assistive device for Dumb, Deaf and Blind People using IoT
883	NGIRI-2021-7602	The Islamia University of Bahawalpur	Baghdad	Telecom Engineering	Smart Baby Incubator with IoT integration
884	NGIRI-2021-10775	The Islamia University of Bahawalpur	Baghdad	Telecom Engineering	'design of optical transparent antenna for 5g communication'
885	NGIRI-2021-7418	The Superior College	University	Avionics Engineering	Farming robot
886	NGIRI-2021-9492	The Superior College	University	Avionics Engineering	'Simulation of Aircraft Glass cockpit with Flight Data, Radar and Navigation Display '
887	NGIRI-2021-10256	The Superior College	University	Avionics Engineering	'Thermal Conductivity Tester for Solid Insulation Material'

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S.No	FYP Code	University	Campus	Department	Project Title
888	NGIRI-2021-10258	The Superior College	University	Avionics Engineering	'Design and development lab model of an airborne radar antenna elevation and azimuth position control system using a light weight antenna dish meeting exact parameters of an Airborne Intercept Radar used on a 4th generation aircraft.'
889	NGIRI-2021-8811	The Superior College	University	Avionics/Aeronautical Engineering	Solar powered rectangular flying wing
890	NGIRI-2021-9137	The Superior College	University	Avionics/Aeronautical Engineering	Low Cost Incubator for Babies
891	NGIRI-2021-9783	The Superior College	University	Avionics/Aeronautical Engineering	'Design and fabrication of Climate Control Chamber'
892	NGIRI-2021-9789	The Superior College	University	Avionics/Aeronautical Engineering	'Design and Fabrication of V Shaped Flying Wing'
893	NGIRI-2021-9805	The Superior College	University	Avionics/Aeronautical Engineering	'DESIGN AND DEVELOPMENT OF CATAPULT FOR AERIAL GLIDER'
894	NGIRI-2021-6917	The Superior College	University	Computer Science	E-Letter Box
895	NGIRI-2021-8432	The Superior College	University	Computer Science	Design & Implementation of Smart Home Security System based on IOT's
896	NGIRI-2021-8436	The Superior College	University	Computer Science	Infant Eye Lock
897	NGIRI-2021-8514	The Superior College	University	Computer Science	Get Out Polio
898	NGIRI-2021-9827	The Superior College	University	Computer Science	'Smart Agriculture'
899	NGIRI-2021-8385	The Superior College	University	Computer Science & IT	Smart Pest Scouting
900	NGIRI-2021-9777	The Superior College	University	Computer Science & IT	'Online Auction system'
901	NGIRI-2021-6589	The Superior College	University	Electrical Engineering	IoT based laser security system
902	NGIRI-2021-8575	The Superior College	University	Electrical Engineering	The smart 5G antennas
903	NGIRI-2021-10700	The Superior College	University	Electrical Engineering	'IOT Based voltage Management System for Efficiency Enhancement of Micro-Grid.'
904	NGIRI-2021-10458	The Superior College	University	Information Technology	'Smart Weather Reporting'
905	NGIRI-2021-10063	The Superior College	University	Software Engineering	'Prayer Mat'
906	NGIRI-2021-10371	The Superior College	University	Software Engineering	'Smart Scout'
907	NGIRI-2021-10373	The Superior College	University	Software Engineering	'Agri Gadget'
908	NGIRI-2021-10379	The Superior College	University	Software Engineering	'DR Assistant'
909	NGIRI-2021-10469	The Superior College	University	Software Engineering	'Chez-Baby [An IOT based services for Parents and existing Daycares]'
910	NGIRI-2021-6673	The University of Faisalabad	Engineering Wing	Computer Science	Home Automation (Live Smart)
911	NGIRI-2021-6740	The University of Faisalabad	Engineering Wing	Computer Science	Automated Solar Powered Grass Cutter and Disinfecter
912	NGIRI-2021-7270	The University of Faisalabad	Engineering Wing	Computer Science	An advanced IoT based security system for ATM card owners and bank€™s.
913	NGIRI-2021-9261	The University of Faisalabad	Engineering Wing	Computer Science	Raspberry Pi Powered IOT Garden
914	NGIRI-2021-10654	The University of Faisalabad	Engineering Wing	Computer Science	'Vehicle Collision Alert System'
915	NGIRI-2021-8907	The University of Faisalabad	Engineering Wing	Computer Science & IT	Home Automation
916	NGIRI-2021-6680	The University of Faisalabad	Engineering Wing	Electrical Engineering	Intelligent Ventilator INVENT
917	NGIRI-2021-8510	The University of Faisalabad	Engineering Wing	Software Engineering	Face Mask detection System
918	NGIRI-2021-10448	The University of Haripur	Main	Computer Science & IT	'Increasing Throughput & Lifetime using Depth Base Routing in Underwater Wireless Sensor Network Bases on Real Time Data of Oceans'
919	NGIRI-2021-10504	The University of Haripur	Main	Computer Science & IT	'Smart solar system using IOT'
920	NGIRI-2021-7776	The University of Haripur	Main	Information Technology	AR Decor : An Augmented Reality guide for home decoration
921	NGIRI-2021-10438	The University of Haripur	Main	Information Technology	'Booktique Elementary app'
922	NGIRI-2021-10481	The University of Haripur	Main	Information Technology	'Advance level Surveillance Robot'
923	NGIRI-2021-7719	The University of Haripur	Main	Software Engineering	SMARTWEAR
924	NGIRI-2021-6939	The University of Lahore	Gujrat	Computer Science & IT	Raspbery Pi based embedded system for Brain Tumor Segmentation by using Deep learning
925	NGIRI-2021-7430	The University of Lahore	Islamabad	Mechanical Engineering	Design and fabrication of Low Cost, Self Operating Hydraulic Ram-Pump for Water Retention and Lifting in Rural Areas
926	NGIRI-2021-7573	The Women University	Katchehry Campus	Computer Science & IT	Charging of laptop battery with keystrokes
927	NGIRI-2021-7789	The Women University	Katchehry Campus	Computer Science & IT	GPS Based University Route Management System
928	NGIRI-2021-7790	The Women University	Katchehry Campus	Computer Science & IT	v-Makeup using Smart Mirror
929	NGIRI-2021-9761	University of Agriculture	Burewala	Computer Science	'IOT Based Pest Prediction by Using Machine Learning'
930	NGIRI-2021-10140	University of Agriculture	Burewala	Computer Science	'Smart Glass Mirror'
931	NGIRI-2021-9886	University of Agriculture	Main	Computer Science	'Hydroponic monitoring and control system'
932	NGIRI-2021-10419	University of Agriculture	Main	Computer Science	'Autonomous Weeding Rover'
933	NGIRI-2021-9486	University of Agriculture	Main	Engineering and Sciences	Solar Absorption Chiller
934	NGIRI-2021-6823	University of Azad Jammu & Kashmir	Main	Computer Science & IT	Lane Line Detection
935	NGIRI-2021-6720	University of Azad Jammu & Kashmir	Main	Electrical Engineering	Substation Monitoring and Control Using Microcontroller & GSM
936	NGIRI-2021-10252	University of Azad Jammu & Kashmir	Main	Software Engineering	'A Real Time Mouse Pointer Control Using Eye Gaze Tracking '
937	NGIRI-2021-7532	University of Balochistan	Main	Computer Science	Solar-based Autonomous Flying Robots
938	NGIRI-2021-7534	University of Balochistan	Main	Computer Science	Autonomous Sweeping and Sprinkling Vehicle
939	NGIRI-2021-9497	University of Balochistan	Main	Computer Science	'Brain computer interface for the analysis of EEG signals using machine learning'
940	NGIRI-2021-10491	University of Balochistan	Main	Computer Science	Locally Build Smart Flying Robot for Carrying Goods
941	NGIRI-2021-9173	University of Balochistan	Main	Computer Science & IT	Smart Water Tank
942	NGIRI-2021-9213	University of Balochistan	Main	Computer Science & IT	Solar Supercharged Outdoor Air Purifier With Air Superior Monitoring Device
943	NGIRI-2021-9717	University of Balochistan	Main	Computer Science & IT	'Indoor Energy Generating Fitness Machine with Virtual Reality'
944	NGIRI-2021-10359	University of Balochistan	Main	Computer Science & IT	Cheaper Home Automation Using Smartphone
945	NGIRI-2021-9589	University of Balochistan	Main	Electronics	'Fabrication of FET based pressure sensor'
946	NGIRI-2021-8102	University of Balochistan	Main	Mechatronics Engineering	Seven Degree of Freedom Robotic Arm

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S.No	FYP Code	University	Campus	Department	Project Title
947	NGIRI-2021-8373	University of Central Punjab	Main	Electrical Engineering	production analysis using image processing
948	NGIRI-2021-8379	University of Central Punjab	Main	Electrical Engineering	IoT based smart home automation and load management
949	NGIRI-2021-8444	University of Central Punjab	Main	Electrical Engineering	Gesture Controlled Vehicle using Kinect Sensor
950	NGIRI-2021-8530	University of Central Punjab	Main	Electrical Engineering	Implementation Of Walking Aid For Visually Impaired People On Accelerated System
951	NGIRI-2021-9355	University of Central Punjab	Main	Electrical Engineering	Agricultural Drones
952	NGIRI-2021-8673	University of Central Punjab	Main	Electrical Power Engineering	Electronic Welding System
953	NGIRI-2021-8865	University of Central Punjab	Main	Electrical/Electronics Engineering	Sensor Less Control of BLDC Motor for Spraying System
954	NGIRI-2021-10836	University of Education	Faisalabad	Information Technology	'Food Donation Bank to Overcome Starvation in Poverty Stricken'
955	NGIRI-2021-9874	University of Education	Vehari	Information Technology	'An optimized tagger in semantic orientation of resource poor language'
956	NGIRI-2021-8322	University of Engineering & Technology, Lahore	Faisalabad	Electrical	Electric Bike
957	NGIRI-2021-7422	University of Engineering & Technology, Lahore	Faisalabad	Electrical Engineering	Prosthetic hand using flex sensor
958	NGIRI-2021-10327	University of Engineering & Technology, Lahore	Faisalabad	Electrical Engineering	'SMART SHOPPING CART'
959	NGIRI-2021-10307	University of Engineering & Technology, Lahore	Faisalabad	Electrical/Electronics Engineering	'Wireless charging Device'
960	NGIRI-2021-8831	University of Engineering & Technology, Lahore	Faisalabad	Mechatronics Engineering	Optimization and control of therapeutic equipment for brain hyperthermia treatment
961	NGIRI-2021-8398	University of Engineering & Technology, Lahore	Kala Shah Kaku	Biomedical Engineering	A cost effective and smart framework for Health monitoring
962	NGIRI-2021-10557	University of Engineering & Technology, Lahore	Kala Shah Kaku	Biomedical Engineering	'Cost Effective Device For Innovative Therapy Of Limbs'
963	NGIRI-2021-7839	University of Engineering & Technology, Lahore	Kala Shah Kaku	Electrical Engineering	GeneBird Design and Development of Micro Swarm Drones
964	NGIRI-2021-7130	University of Engineering & Technology, Lahore	Lahore	Computer Engineering	Smart Textile Spinning Monitoring System IoT
965	NGIRI-2021-7181	University of Engineering & Technology, Lahore	Lahore	Computer Engineering	Pak Agri-IoT (Pakistan Agriculture-Internet of Things) Smart Farming Based Decision Support System for Optimum Crops Yield
966	NGIRI-2021-8562	University of Engineering & Technology, Lahore	Lahore	Computer Engineering	EmotiBot: Human Emotions Recognizer Agent with Prototype Hardware
967	NGIRI-2021-9592	University of Engineering & Technology, Lahore	Lahore	Computer Engineering	'Eye Gaze Tracking for Wheelchair Control'
968	NGIRI-2021-8004	University of Engineering & Technology, Lahore	Lahore	Computer Science	Conversational Smart Guide for Visually Impaired People
969	NGIRI-2021-8249	University of Engineering & Technology, Lahore	Lahore	Computer Science	Roman Urdu Hate Speech Detection
970	NGIRI-2021-8460	University of Engineering & Technology, Lahore	Lahore	Computer Science	E-SEHAT (Smart Healthcare System for preliminary Diagnostic and Remote Consultancy)
971	NGIRI-2021-9606	University of Engineering & Technology, Lahore	Lahore	Computer Science	'Virtec Online Education System'
972	NGIRI-2021-10078	University of Engineering & Technology, Lahore	Lahore	Electrical Engineering	'Modeling, Operation and Control of an AC microgrid in Grid-Connected and Islanded Model'
973	NGIRI-2021-10387	University of Engineering & Technology, Lahore	Lahore	Electrical Engineering	'Modeling operation and control of DC microgrid in Grid connected and Islanded mode '
974	NGIRI-2021-10029	University of Engineering & Technology, Lahore	Lahore	Mechanical Engineering	'Design and Analysis of Smart Balls and Development of Coaching Techniques using ML'
975	NGIRI-2021-8582	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering	Design and Development of Industrial Grade Delta Robot
976	NGIRI-2021-9201	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering	Design and Control of five DOF robot
977	NGIRI-2021-9814	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering	'Emotion Mimicker Robot'
978	NGIRI-2021-10380	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering	'Development of Robotic Skin with touch localization with warmth element'
979	NGIRI-2021-10798	University of Engineering & Technology, Lahore	Lahore	Mechatronics Engineering	'Four Legged Companion Robot'
980	NGIRI-2021-8490	University of Engineering & Technology, Lahore	Narowal	Electrical	Concealed Weapon Detection
981	NGIRI-2021-8528	University of Engineering & Technology, Lahore	Narowal	Electrical Engineering	Power transformer protection Scheme during abnormal conditions
982	NGIRI-2021-8554	University of Engineering & Technology, Lahore	Narowal	Electrical Engineering	Smart Helmet for the Detection of Hazardous Events in Mining Industry
983	NGIRI-2021-8568	University of Engineering & Technology, Lahore	Narowal	Electrical Engineering	Hand Gestures Based Cleaning Robot
984	NGIRI-2021-8584	University of Engineering & Technology, Lahore	RCET Gujranwala	Electrical Engineering	smart wheelchair
985	NGIRI-2021-10191	University of Engineering & Technology, Peshawar	Abbottabad	Electronics	'RISC-V open source chip design and FPGA Validation'
986	NGIRI-2021-7846	University of Engineering & Technology, Peshawar	Jalozai	Electrical	Design and Control of Permanent Magnet Motor Drive System for Electric Vehicle Traction Applications
987	NGIRI-2021-9359	University of Engineering & Technology, Peshawar	Jalozai	Electrical	IoT based Telemedicine system using Healthy pi
988	NGIRI-2021-10374	University of Engineering & Technology, Peshawar	Jalozai	Electrical	'Portable Ventilator '
989	NGIRI-2021-7829	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering	Design of Cloud-based Remote Telemetry System for Small Power Generation System
990	NGIRI-2021-7880	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering	Design and Control of Battery Charger for Electric Vehicle Applications
991	NGIRI-2021-8683	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering	To detect heart condition /diseases using Pakistani ECG dataset and Deep learning techniques.
992	NGIRI-2021-10211	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering	'Impact of Climate Change on Agriculture of Charsadda, Mardan and Nowshera (Kabul River)â€'
993	NGIRI-2021-10781	University of Engineering & Technology, Peshawar	Jalozai	Electrical Engineering	'Water management, automation and remote monitoring of a tiny house in a resource-constraint environment'
994	NGIRI-2021-8925	University of Engineering & Technology, Peshawar	Jalozai	Engineering and Sciences	Impact of Climate Change on tarbela dam water reservoir and water resources
995	NGIRI-2021-6543	University of Engineering & Technology, Peshawar	Jalozai	Industrial Electronics	To design Lean material handling system for a local industry in pakistan
996	NGIRI-2021-7107	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering	Design And Fabrication Of Shell And Corrugated Helical Tube Heat Exchanger
997	NGIRI-2021-8482	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering	Design of Customized assistive part for disable people for Additive Manufacturing application
998	NGIRI-2021-8926	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering	Fabrication of Solar Powered Water Cooler

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
999	NGIRI-2021-8933	University of Engineering & Technology, Peshawar	Jalozai	Mechanical Engineering	Artificial Vision System for Blind
1000	NGIRI-2021-6747	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering	A Machine Learning Powered Mobile App to find Missing People
1001	NGIRI-2021-7851	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering	Cyber security IoT based lab automation
1002	NGIRI-2021-8610	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering	Smart Neck Cowlars For Dairy Cows
1003	NGIRI-2021-10071	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering	'Monitoring of Micro-Hydro Power Plant Using Internet-of-Things (IoT)'
1004	NGIRI-2021-10577	University of Engineering & Technology, Peshawar	Peshawar	Computer System Engineering	'Maternal Physical Activity Recognition System using Wearable Sensors '
1005	NGIRI-2021-6945	University of Engineering & Technology, Peshawar	Peshawar	Electrical Engineering	Vision Aid Device for the Blind
1006	NGIRI-2021-7548	University of Engineering & Technology, Peshawar	Peshawar	Electrical Engineering	Brain control home automation
1007	NGIRI-2021-8437	University of Engineering & Technology, Peshawar	Peshawar	Electrical Power Engineering	Power Generating and Waste water treatment plant
1008	NGIRI-2021-9788	University of Engineering & Technology, Peshawar	Peshawar	Engineering and Sciences	'Streamlining the Construction Supply Chain by Integrating Electronic Commerce Principles'
1009	NGIRI-2021-6636	University of Engineering & Technology, Peshawar	Peshawar	Industrial Electronics	INNOVATING THE ENGINEERING LABS WITH VIRTUAL REALITY SUPPORTED EXPERIMENTATIONS
1010	NGIRI-2021-8695	University of Engineering & Technology, Peshawar	Peshawar	Industrial Electronics	Assessment of on campus university hostel facilities from sustainability perspective
1011	NGIRI-2021-6672	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering	Design and Fabrication or simulation IOT based maximum solar power tracking system
1012	NGIRI-2021-9398	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering	Automatic Three Dimension Bending Machine
1013	NGIRI-2021-10162	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering	'Autonomous Agricultural Field Robot'
1014	NGIRI-2021-10564	University of Engineering & Technology, Peshawar	Peshawar	Mechatronics Engineering	'Design and fabrication of industrial rig based on industry 4.0'
1015	NGIRI-2021-8415	University of Engineering & Technology, Taxila	Taxila	Biomedical Engineering	Blood Group detection device
1016	NGIRI-2021-6770	University of Engineering & Technology, Taxila	Taxila	Computer Engineering	Pictorial Speller
1017	NGIRI-2021-8788	University of Engineering & Technology, Taxila	Taxila	Computer Engineering	Cryptographic Processor Design
1018	NGIRI-2021-9352	University of Engineering & Technology, Taxila	Taxila	Computer Engineering	Blinds Eye
1019	NGIRI-2021-9437	University of Engineering & Technology, Taxila	Taxila	Computer Engineering	Bowling Action Detection Using Smart Sensors
1020	NGIRI-2021-10512	University of Engineering & Technology, Taxila	Taxila	Computer Engineering	'Room Disinfecting Robot'
1021	NGIRI-2021-9825	University of Engineering & Technology, Taxila	Taxila	Computer Science	'Surveillance System For COVID Prevention Using Machine Learning '
1022	NGIRI-2021-6621	University of Engineering & Technology, Taxila	Taxila	Electrical	Dual axis solar panel with IOT based solar energy monitoring.
1023	NGIRI-2021-8019	University of Engineering & Technology, Taxila	Taxila	Electrical Engineering	Simulation and Implementation of IOT Based Solar MPPT and Grid Hybrid System
1024	NGIRI-2021-8839	University of Engineering & Technology, Taxila	Taxila	Electrical Engineering	Industrial Monitoring System Using PLC
1025	NGIRI-2021-9094	University of Engineering & Technology, Taxila	Taxila	Electrical Engineering	Load Distribution, Monitoring, and Control on Transformer Using IoT
1026	NGIRI-2021-9425	University of Engineering & Technology, Taxila	Taxila	Electrical Engineering	Design and Fabrication of Wall Climbing Robot using Electrostatic Adhesive Pad
1027	NGIRI-2021-10080	University of Engineering & Technology, Taxila	Taxila	Electrical Engineering	'Smart solar panel automated cleaning system'
1028	NGIRI-2021-9236	University of Engineering & Technology, Taxila	Taxila	Electrical/Electronics Engineering	IoT based Monitoring and Protection of Distribution System
1029	NGIRI-2021-10542	University of Engineering & Technology, Taxila	Taxila	Electronics	'PLC based Automation of Water Treatment Plant '
1030	NGIRI-2021-6643	University of Engineering & Technology, Taxila	Taxila	Electronics Engineering	Design and Implementation of Brain Computer Interface for Electric Wheel Chairs with EEG and Eye-blinking Signals
1031	NGIRI-2021-8295	University of Engineering & Technology, Taxila	Taxila	Electronics Engineering	Home Automation & Safety system using GSM & Wi-Fi Module
1032	NGIRI-2021-10264	University of Engineering & Technology, Taxila	Taxila	Engineering and Sciences	'Bio-oil Production by Co-pyrolysis of Corn Cobs (CC) & Waste Tire (WT) in a Fixed Bed Reactor over Microwave Assisted Formic Acid Pretreatment'
1033	NGIRI-2021-7106	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering	AI BASED GUNSHOT DETECTION SYSTEM FOR UET MARDAN
1034	NGIRI-2021-7274	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering	IOT Based Fuel Pump Security and Monitoring System
1035	NGIRI-2021-8914	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering	An efficient energy consumption scheduler for energy optimization of a smart grid integrated with renewable energy sources.
1036	NGIRI-2021-9462	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering	Forest Fire Detection and Emergency alert system
1037	NGIRI-2021-10615	University of Engineering & Technology, Mardan	Mardan	Electrical Engineering	'Smart device for connecting existing nodes with IOT '
1038	NGIRI-2021-6540	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering	Smart Energy Distribution and management System Based on IOT
1039	NGIRI-2021-7592	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering	Integration of solar power and wind power with utility grid
1040	NGIRI-2021-8988	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering	A multi objective energy optimization strategies for smart microgrid under demand response program
1041	NGIRI-2021-10687	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering	'Power transmission and distribution monitoring using iot for smart grid '
1042	NGIRI-2021-10712	University of Engineering & Technology, Mardan	Mardan	Electrical Power Engineering	'Automatic gate for initial detection of covid-19'
1043	NGIRI-2021-10179	University of Engineering & Technology, Mardan	Mardan	Software Engineering	'Real Time Driver Drowsiness Detection using Deep Learning Algorithm'
1044	NGIRI-2021-8540	University of Engineering & Technology, Mardan	Mardan	Telecom Engineering	Strucutre health monitoring
1045	NGIRI-2021-8741	University of Engineering & Technology, Mardan	Mardan	Telecom Engineering	AI Assisted IoT Based Monitoring of Air and Water Quality using Wireless Sensor Network
1046	NGIRI-2021-8275	University of Gujrat	Hafiz Hayat	Computer Science	Smart Wheelchair Using IOT
1047	NGIRI-2021-9733	University of Gujrat	Hafiz Hayat	Computer Science	'Autonomous Car Using Raspberry Pi'
1048	NGIRI-2021-9746	University of Gujrat	Hafiz Hayat	Computer Science	'Urdu Language Assistant'
1049	NGIRI-2021-9893	University of Gujrat	Hafiz Hayat	Computer Science	'On the way'

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
1050	NGIRI-2021-10295	University of Gujrat	Hafiz Hayat	Computer Science	'Smart Glasses for blinds'
1051	NGIRI-2021-9221	University of Jhang	Main	Computer Science	Smart Helmet
1052	NGIRI-2021-6738	University of Karachi	Main	Computer Science	Urdu Hand Writing Machine
1053	NGIRI-2021-7891	University of Karachi	Main	Computer Science	Design and Development of Smart Low Cost Sanitization and Disinfection Device
1054	NGIRI-2021-10216	University of Karachi	Main	Computer Science	'ECOBIN: Artificial intelligence-based dustbin that sorts recyclable and non-recyclable materials from waste.'
1055	NGIRI-2021-7555	University of Kotli	Main Campus	Computer Science	Integrated Facial Recognition and Smart Message Service for Improved Security Systems
1056	NGIRI-2021-10169	University of Kotli	Main Campus	Computer Science & IT	'Architecture less smart system for green and clean environment (smart city solution)'
1057	NGIRI-2021-10710	University of Kotli	Main Campus	Computer Science & IT	'Face Mask Detection Based Entry System'
1058	NGIRI-2021-8644	University of Malakand	Chakdara	Software Engineering	Face Recognition based smart solution for student security
1059	NGIRI-2021-6980	University of Management and Technology	Lahore	Electrical Engineering	Vehicle Detection And Road Lighting Using Energy And Security Management System
1060	NGIRI-2021-8041	University of Management and Technology	Lahore	Electrical Engineering	Localization in warehouse using robot
1061	NGIRI-2021-8115	University of Management and Technology	Lahore	Electrical Engineering	Utilizing Socially assistive Robots SARs to motivate post stroke lower limb rehabilitation
1062	NGIRI-2021-8120	University of Management and Technology	Lahore	Electrical Engineering	automatic Control Shed Using PLC
1063	NGIRI-2021-8122	University of Management and Technology	Lahore	Electrical Engineering	Vision Based Robotic Paint Arm
1064	NGIRI-2021-6624	University of Management and Technology	Lahore	Mechanical Engineering	Design and Development of Robot as a service (RAAS) for object lifting and placing in Hypermarket Warehouses
1065	NGIRI-2021-7594	University of Management and Technology	Lahore	Mechanical Engineering	Design and Development of cost effective All Terrain Stair Climbing Wheel Chair
1066	NGIRI-2021-7945	University of Management and Technology	Lahore	Mechanical Engineering	Design and Fabrication of Miniature Autonomous Farming Tractor
1067	NGIRI-2021-8027	University of Management and Technology	Lahore	Science & Technology	OBJECT SORTER ROBOT
1068	NGIRI-2021-7328	University of Management and Technology	Sialkot	Computer Science	IOT Edge based Smart waste management and classification using hybrid computing approach
1069	NGIRI-2021-9967	University of Management and Technology	Sialkot	Computer Science	'Smart recommender architecture for Internet of household items (IoHT) by using Edge and Fog Computing'
1070	NGIRI-2021-10263	University of Management and Technology	Sialkot	Computer Science & IT	'IOTFOG based Smart recommender system for efficient water utilization '
1071	NGIRI-2021-9580	University of Management and Technology	Sialkot	Electrical Engineering	'Design and Implementation of Autonomous Electric Vehicle'
1072	NGIRI-2021-10004	University of Management and Technology	Sialkot	Electrical Engineering	'Power Quality Based Energy Meter'
1073	NGIRI-2021-10288	University of Sargodha	Main	Computer Science & IT	'IoT based Smart Home'
1074	NGIRI-2021-10648	University of Sargodha	Main	Computer Science & IT	'Real Time Image Processing Based Smart Blind Guider Android Application '
1075	NGIRI-2021-10714	University of Sargodha	Main	Computer Science & IT	'Enhancing Detection of Fraudulent People at Immigration Terminals using Facial Expression Conversion'
1076	NGIRI-2021-7694	University of Science & Technology	Main	Computer Science	CRAFT and Stitch
1077	NGIRI-2021-7066	University of Science & Technology	Main	Electrical Engineering	Internet of Things (IoT) Based Smart Animal Farm Management System
1078	NGIRI-2021-10175	University of Science & Technology	Main	Electrical Engineering	'IoT based Flood Detection System'
1079	NGIRI-2021-9487	University of Sialkot, Sialkot	Sialkot	Computer Science	Vehicle Emergency Response System
1080	NGIRI-2021-8346	University of Sialkot, Sialkot	Sialkot	Computer Science & IT	Machine Learning Based Agriculture Assistance System
1081	NGIRI-2021-9569	University of Sialkot, Sialkot	Sialkot	Computing and Technology	'Blockchain based voting system for pakistan'
1082	NGIRI-2021-9494	University of Sindh	Allama I.I Kazi	Computer Science & IT	'Continuous patient monitoring through Wireless body sensors'
1083	NGIRI-2021-7031	University of Sindh	Allama I.I Kazi	Electrical Engineering	Boxy Smart Locker Bank
1084	NGIRI-2021-10272	University of Sindh	Allama I.I Kazi	Electronics	'Security and Protection in Industrial Control Systems. '
1085	NGIRI-2021-10559	University of Sindh	Allama I.I Kazi	Electronics	'DIY Ventilator using Arduino with Blood Oxygen Sensing For Covid Pandemic'
1086	NGIRI-2021-10560	University of Sindh	Allama I.I Kazi	Electronics	'Vehicle Recognition System using low cost IEEE 802.15.4'
1087	NGIRI-2021-10567	University of Sindh	Allama I.I Kazi	Electronics	'Smart Car Locking System'
1088	NGIRI-2021-7165	University of Sindh	Allama I.I Kazi	Electronics Engineering	Smart Electrical Military Vehicle
1089	NGIRI-2021-9859	University of Sindh	Allama I.I Kazi	Electronics Engineering	'Ventilator using arduino with blood oxygen sensing for covid pandemic'
1090	NGIRI-2021-10056	University of Sindh	Allama I.I Kazi	Electronics Engineering	'Design and Manufacturing of Composite VAWT Generator System'
1091	NGIRI-2021-10254	University of Sindh	Allama I.I Kazi	Information & Communication Technology	'A new method for Handwriting Robaat'
1092	NGIRI-2021-10644	University of Sindh	Allama I.I Kazi	Information & Communication Technology	'VAULT SECURITY SYSTEM'
1093	NGIRI-2021-10659	University of Sindh	Allama I.I Kazi	Information & Communication Technology	'Virtual Sniper'
1094	NGIRI-2021-10109	University of Sindh	Allama I.I Kazi	Information Technology	'Artificial Robot car '
1095	NGIRI-2021-10532	University of Sindh	Allama I.I Kazi	Science & Technology	'An Intelligent Brain Computer Interfacing (BCI) based personalized healthcare system for neurorehabilitation'
1096	NGIRI-2021-8517	University of Sindh	Allama I.I Kazi	Software Engineering	Android chatbot in Sindhi
1097	NGIRI-2021-8518	University of Sindh	Allama I.I Kazi	Software Engineering	Secure Data Transfer Over Internet Based On Image Steganography Encryption
1098	NGIRI-2021-9029	University of Sindh	Allama I.I Kazi	Software Engineering	Stamp Paper Authomation Traditional Stamp Paper
1099	NGIRI-2021-10778	University of Sindh	Allama I.I Kazi	Software Engineering	'Faculty Of Engineering And Technology CMS'
1100	NGIRI-2021-6727	University of Sindh	Allama I.I Kazi	Telecom Engineering	Globally home Automation system using WiFi and bluetooth technology
1101	NGIRI-2021-10676	University of Sindh	Allama I.I Kazi	Telecom Engineering	'Social Distancing Caps for COVID'
1102	NGIRI-2021-6995	University of Swat	Main	Computer Science	SMART METER READER
1103	NGIRI-2021-7933	University of Wah	Quaid	Computer Science	AI NLP Based Machine Auto complete Text Generator System. Using Modern Attention based Deep Model.
1104	NGIRI-2021-8328	University of Wah	Quaid	Computer Science	Logaoedics for children with speech impairment in Pakistan
1105	NGIRI-2021-8397	University of Wah	Quaid	Computer Science	Smart Fridge
1106	NGIRI-2021-8338	University of Wah	Quaid	Computer System	Early prediction of athletes' performance on the basis of twitter sentiment analysis

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Shortlisted FYPs

S.No	FYP Code	University	Campus	Department	Project Title
1107	NGIRI-2021-7361	University of Wah	Wah Engineering College	Electrical	Design and Development of Low Cost PV Module Tester
1108	NGIRI-2021-6964	University of Wah	Wah Engineering College	Electrical Engineering	PLC Based Control of Power Factor Improvement of a Three-Phase Load
1109	NGIRI-2021-7104	University of Wah	Wah Engineering College	Electrical Engineering	Design and development of servo hydraulic controller for manual universal testing machine
1110	NGIRI-2021-7423	University of Wah	Wah Engineering College	Electrical Engineering	Design and Development of System for the Estimation of State of Charge (SOC) of Lithium-ion Battery for Electric Loads
1111	NGIRI-2021-7426	University of Wah	Wah Engineering College	Electrical Engineering	Design and Development of a Prototype for Protection System of a Microgrid System
1112	NGIRI-2021-8342	University of Wah	Wah Engineering College	Electrical Engineering	Design and Development of Intelligent Hybrid Inverter (1KVA) for Solar Energy Generation
1113	NGIRI-2021-7390	University of Wah	Wah Engineering College	Electrical Power Engineering	IoT based power distribution transformer protection system
1114	NGIRI-2021-7428	University of Wah	Wah Engineering College	Electrical Power Engineering	Design and Development of control of Wheel Chair through Electromyography (EMG) using Servo Motors
1115	NGIRI-2021-8343	University of Wah	Wah Engineering College	Electrical Power Engineering	Design & Implementation of Prototype for Monitoring and Controlling of Substation using PLC & HMI
1116	NGIRI-2021-6955	University of Wah	Wah Engineering College	Mechanical Engineering	Improvement of Design and Fabrication of Automatic Wheelchair Convertible into bed and standing modes
1117	NGIRI-2021-7211	University of Wah	Wah Engineering College	Mechanical Engineering	Fabrication And Implementation of EFI system in 70cc Bike
1118	NGIRI-2021-7245	University of Wah	Wah Engineering College	Mechanical Engineering	Fabrication of Cough Assistive Device
1119	NGIRI-2021-7129	University of Wah	Wah Engineering College	Mechatronics Engineering	IOT Based Patient Monitoring System
1120	NGIRI-2021-7141	University of Wah	Wah Engineering College	Mechatronics Engineering	Design and Development of a Flatbed Graphic Plotter
1121	NGIRI-2021-7676	University of Wah	Wah Engineering College	Mechatronics Engineering	Design and Fabrication of Glass Wall Cleaning Robot
1122	NGIRI-2021-8341	University of Wah	Wah Engineering College	Mechatronics Engineering	Design and Development of an Autonomous Overhead Transportation and Placement System for Products in Super Market
1123	NGIRI-2021-8454	University of Wah	Wah Engineering College	Mechatronics Engineering	Design fabrication and control of a multi fingered prosthetic hand with finger adduction and abduction
1124	NGIRI-2021-8273	Usman Institute of Technology	Karachi	Computer Engineering	Routing/Linking Communication Networks of Multi-Brand PLCs by Port Incorporation Employing Scada
1125	NGIRI-2021-8071	Usman Institute of Technology	Karachi	Computer Science	Ceramic Tiles Quality Inspection
1126	NGIRI-2021-8078	Usman Institute of Technology	Karachi	Computer Science	Crack Detection By Using Drone Camera
1127	NGIRI-2021-8166	Usman Institute of Technology	Karachi	Computer Science	GOODBYE PHOBIA
1128	NGIRI-2021-7582	Usman Institute of Technology	Karachi	Electrical Engineering	Dental Cavity Detection
1129	NGIRI-2021-7639	Usman Institute of Technology	Karachi	Electrical Engineering	Seismometer
1130	NGIRI-2021-7724	Usman Institute of Technology	Karachi	Electrical Engineering	Readable Artificial Eye
1131	NGIRI-2021-7809	Usman Institute of Technology	Karachi	Electrical Engineering	smart water distribution and monitoring kit
1132	NGIRI-2021-8100	Usman Institute of Technology	Karachi	Electrical Engineering	Induction Heater
1133	NGIRI-2021-7627	Usman Institute of Technology	Karachi	Electrical Power Engineering	Automatic Solar Panel Lamination Process & Characteristics
1134	NGIRI-2021-7827	Usman Institute of Technology	Karachi	Electrical Power Engineering	SCADA Based Power Distribution Network
1135	NGIRI-2021-9536	Usman Institute of Technology	Karachi	Electrical Power Engineering	Traffic Wind Turbine (Winds of Change)
1136	NGIRI-2021-7200	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering	E Health Remote Monitoring ECG
1137	NGIRI-2021-7800	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering	Portable and Autonomous Gas Leakage Detection System
1138	NGIRI-2021-8149	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering	UV light based Currency Sterilization and Counting System
1139	NGIRI-2021-8603	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering	Automated fish care system
1140	NGIRI-2021-8970	Usman Institute of Technology	Karachi	Electrical/Electronics Engineering	Opensource Accidental Avoidance and Tracking System for Electric Vehicles
1141	NGIRI-2021-7866	Usman Institute of Technology	Karachi	Electronics	IOT Anti Locust Agri Drone
1142	NGIRI-2021-7968	Usman Institute of Technology	Karachi	Software Engineering	Virtual Eye
1143	NGIRI-2021-8072	Usman Institute of Technology	Karachi	Software Engineering	Hearing impaired Gesture Recognition using Arm band
1144	NGIRI-2021-8073	Usman Institute of Technology	Karachi	Software Engineering	Fashion accessories using smart mirror
1145	NGIRI-2021-8130	Usman Institute of Technology	Karachi	Software Engineering	Blockchain Based E-Certification
1146	NGIRI-2021-8143	Usman Institute of Technology	Karachi	Software Engineering	VR LAB
1147	NGIRI-2021-7961	Women University AJK	Main	Computer Science & IT	Chicken hatchery Machine
1148	NGIRI-2021-8337	Women University AJK	Main	Computer Science & IT	Office :automated files management
1149	NGIRI-2021-8806	Women University AJK	Main	Computer Science & IT	FYP Automation
1150	NGIRI-2021-9307	Women University AJK	Main	Computer Science & IT	Quality enhancement cell (QEC) Automation
1151	NGIRI-2021-10233	Women University AJK	Main	Computer Science & IT	'Smart WUB Transport Management System'
1152	NGIRI-2021-8228	Ziauddin University, ZUFEST	North Nazimabad	Biomedical Engineering	Smart shield for covid protection
1153	NGIRI-2021-9190	Ziauddin University, ZUFEST	North Nazimabad	Biomedical Engineering	Disinfectant Robot
1154	NGIRI-2021-9223	Ziauddin University, ZUFEST	North Nazimabad	Electrical Engineering	PV sun tracking controller and IOT based monitoring system
1155	NGIRI-2021-9976	Ziauddin University, ZUFEST	North Nazimabad	Electrical Engineering	'Automatic phase sequence corrections and protection device '
	Number of FYPs				1155