S. No.	Project Title	Supervisor/Co-Supervisor
G-1	Strengthening of Reinforced Concrete Columns under Axial Compression Loading Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan Engr. Ayesha Akram
G-2	Strengthening of Reinforced Concrete Beams in Shear Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan Engr. Juwairia Asad
G-3	Strengthening of Reinforced Concrete Beams in Flexure Using Taparan FRP	Prof. Dr. Asad-ur-Rehman Khan Engr. Juwairia Asad
G-4	Durability Assessment of Structural Components of Bridge	Prof. Dr. Asad-ur-Rehman Khan Dr. Wajeeha Mahmood Dr. Fatima Khalid
G-5	Evaluating Bond Behavior between GFRP Reinforcing Bars and Concrete	Prof. Dr. Abdul Jabbar Sangi Dr. Fawwad Masood Engr. Muhammad Saad Ifrahim
G-6	Tension Stiffening Behavior of GFRP- Reinforced Concrete	Prof. Dr. Abdul Jabbar Sangi Dr. Fawwad Masood Engr. Muhammad Saad Ifrahim
G-7	Mechanical Characterization of GFRP Bars in Compression	Prof. Dr. Abdul Jabbar Sangi Dr. Fawwad Masood Engr. Muhammad Saad Ifrahim
G-8	Modeling Soil Behavior under Static Loading Using Plaxis	Prof. Dr. Amanullah Marri Engr. Shoaib Akhter
G-9	Deformation Characteristics of Soil under Repeated Loadings	Prof. Dr. Amanullah Marri
G-10	Modeling Soil Behavior under Dynamic Loading Using Plaxis	Prof. Dr. Amanullah Marri Engr. Shoaib Akhter
G-11	Flexural Behaviour of Self-Healing PVA Fibres Reinforced Concrete	Prof. Dr. Tehmina Ayub Prof. Dr. Sadaqat Ullah Khan
G-12	Stress Corrosion Cracking of A615 Steel Bars Exposed to Natural and Simulated Environment	Prof. Dr. Tehmina Ayub Prof. Dr. Sadaqat Ullah Khan

S. No.	Project Title	Supervisor/Co-Supervisor
G-13	Stress Corrosion Cracking of A615 Steel Bars Exposed to Natural and Simulated Environment	Prof. Dr. Tehmina Ayub Prof. Dr. Sadaqat Ullah Khan
G-14	Effect of Industrial Waste as Supplementary Materials on the Production of High-Performance Self- Healed Concrete	Prof. Dr. Tehmina Ayub Dr. Fatima Khalid
G-15	1D Coupled Landslide Modelling for Surface Wave Generation	Dr. Haider Hasan Engr. Shahrukh Khan
G-16	Circular Economy Principles' Integrated Design and Digitization of Green Building	Dr. Farrukh Arif Engr. Faiza Saeed
G-17	Living Lab - Digital Twin Integrated Framework for Development of Energy Efficient Housing Community Guidelines	Dr. Farrukh Arif Engr. Faiza Saeed
G-18	Decision-Support Framework for Bridge Infrastructure Maintenance using Predictive Condition Assessment and Immersive Visualization	Dr. Farrukh Arif Engr. Waleed Ahmed Khan
G-19	Comparative Analysis of Slope Stability through Vegetation Covers	Dr. Sadaf Qasim Engr. Sadia Moin
G-20	Effect of Climate on Strength of Soil	Dr. Sadaf Qasim Engr. Sadia Moin
G-21	Mechanical Properties of Ultra-High Strength Concrete	Dr. Shamsoon Fareed Engr. Ayesha Ayub
G-22	Axially Loaded Ultra High Strength Concrete Columns under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed Engr. Adnan Rais Ahmed
G-23	Ultra High Strength Reinforced Concrete Slabs under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed Dr. Fatima Khalid
G-24	Ultra High Strength Reinforced Concrete Beams under High Mass Low Velocity Impact Loading	Dr. Shamsoon Fareed Engr. Samra Masood

S. No.	Project Title	Supervisor/Co-Supervisor
		Dr. Syed Salman Mobeen
G-25	FEA of RC Beams Strengthened with	Engr. Muhammad Saad Khan
0 23	Externally Bonded FRP & Metal Sheets	
	Performance Based Evaluation and	Dr. Syed Salman Mobeen
G-26	Design of High-Rise RCC Buildings with	Dr. Aslam Faqeer Mohammad
	Buckling Restrained Bracing in the Lateral Load Resisting System	
	Lateral Load Resisting System	Dr. Syeda Saria Bukhary
	Energy Decarbonisation of Wastewater	Syeda Saria Bakilary
G-27	Treatment Operation	
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	SMART PPE: Enhancing Construction	Engr. Farhan Saleem
G-28	Workers' Safety through Smart Helmet	
0 20	Technology	
		Engr. Haris Akram Bhatti
	Sustainable Water Resource	Engr. Haris Akram Bhatti Engr. Hamna Hasan
G-29	Management in the Malir River Basin	Liigi. Haiiilia Hasaii
	Twanagement in the Wall Tive Basin	
	Description Driver Meter Condition	Engr. Haris Akram Bhatti
6 20	Precipitation Driven Water Quality	Engr. Hamna Hasan
G-30	Analysis and Modeling at Hub and Darawat Dam	
	Darawat Daili	
		Engr. Haris Akram Bhatti
G-31	Permeable Pavements: A Green Solution	
	for Reducing Urban Flooding	
		Dr. Fawwad Masood
	Comparative Analysis of GFRP RC vs	Engr. Adnan Rais Ahmed
G-32	Steel RC in a Mid-rise Building	
	Real Estate Property Management using	Dr. Sajjad Ali
G-33	Blockchain-Oriented Geospatial	Engr. Syed Muhammad Shahrukh Ali
	Technique	
-		Engr. Syed Muhammad Noman
	Analysis of Fuel Reduction Approach in	2.181. Syca Mananinaa Noman
G-34	Urban Railway	
		Engr. Syed Muhammad Noman
G-35	Feasibility Assessment of Mass	
	Transportation System	
		Dr. Davis Dahmannas Ahmad
	Digital Twin Aided Carbon Footprint	Dr. Rana Rabnawaz Ahmed
G-36	Analysis for an Industrial Project	
	,515 151 411 114456141 1167666	
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S. No.	Project Title	Supervisor/Co-Supervisor
G-37	Digital Footprint of HBIM: A Step towards Innovative Preservation of Architectural Buildings	Dr. Rana Rabnawaz Ahmed
G-38	Application of Circularity Principles to Address Health and Safety Challenges in Construction Sector	Dr. Rana Rabnawaz Ahmed
G-39	Enhancing Thermal Comfort through Physical Interventions: A Cost - Effective Solution for Institutional Facilities	Dr. Rana Rabnawaz Ahmed
G-40	Sustainable Urban Stormwater Management Using Simulation Models	Dr. Areba Syed
G-41	Climate Change Analysis and Its Potential Impacts on Water Resources	Dr. Areba Syed
G-42	Sustainable Water Distillation for Purification Using Solar Energy and Mirrors for Marginalized Communities	Dr. Areba Syed Dr. Abdul Ghaffar
G-43	Estimating Community Vulnerability through Groundwater Assessment and Mapping for Karachi	Dr. Areba Syed
G-44	Modelling Waves in Harbour	Dr. Haider Hasan Engr. Shahrukh Khan
G-45	Noise and Air Quality Assessment for Selected Section of Railway	Dr. Sajjad Ali
G-46	Noise Level Assessment for Segregated Traffic Mix in Selected Urban Spatio- temporal Conditions	Dr. Sajjad Ali
G-47	Air Quality Assessment for Segregated Traffic Mix in Selected Urban Spatio- temporal Conditions	Dr. Sajjad Ali
G-48	Design and Analysis of a Concrete Gravity Dam for Flood and Earthquake Using SAP2000	Prof. Dr. Rashid Ahmed Khan Engr. Adnan Rais Ahmed

S. No.	Project Title	Supervisor/Co-Supervisor
G-49	Assessing the Readiness of Pakistan's Construction Industry for Implementing Circular Economy Principles	Dr. Nida Azhar
G-50	Carbon Dioxide Bio-fixation and Growth Kinematics Study of Microalgae Cultivation	Dr. Mehmood Ali Dr. Sadia Khan
G-51	Sensor & Satellite Based Water Quality Monitoring Using IoT & GEE Applications in Real Time	Dr. Abdul Ghaffar
G-52	Digital Twin Modeling for Real-time Progress Monitoring of a Building Construction Site	Dr. Farrukh Arif Engr. Syed Muhammad Shahrukh Ali
G-53	Development of Virtual Reality Application for Construction Worksite Safety	Dr. Farrukh Arif Engr. Waleed Ahmed Khan
G-54	Smart Building Monitoring Using Digital Twin Technology	Engr. Farhan Saleem
G-55	Reducing Project Delays due to Inefficient Document Management Practices in Local Construction Sector	Dr. Rana Rabnawaz Ahmed Engr. Syed Muhammad Shahrukh Ali
G-56	To Develop a BIM-Integrated Safety Issue Reporting System with Data Analytics for Enhanced Safety and Operational Construction Site Management	Dr. Nida Azhar