SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT

Date: 17 Decem	her 2025	(Modpocdow)
Date. 17 Decem	per, 2025	(weanesaay)

	Venue Under	graduate Computer Cont		ecember, 2025 (T			
Grou		graduate Computer Centro			_	Venue: Undergraduate	Computer Centre-Lab 2	
No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)	Time	Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)
G-1	Testing of Developed Fabrics and Adhesives in Concrete Strengthening Applications	Prof. Dr. Asad-ur-Rehman Khan	Engr. Syeda Hiba Haider	9:00 - 9:30	G-6	Dynamic Properties of Sandy Soil from Resonant Column Test and Validation through PLAXIS Modeling	Prof. Dr. Amanullah Marri	
G-2	Numerical & Experimental Investigation on the Behaviour of TFRP Strengthened Reinforced Concrete Columns	Prof. Dr. Asad-ur-Rehman Khan	Engr. Ayesha Akram	9:30 - 10:00	G-7	Comparative Study of Proctor Compaction Methods on Cohesive Soil Strength	Prof. Dr. Amanullah Marri	
G-3	Evaluating Durability Properties of GFRP Bars Under Extreme Environmental Conditions	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood	10:00 - 10:30	G-8	CBR Testing of Stabilized Soil and Modelling of Pavement Layers in Plaxis	Prof. Dr. Amanullah Marri	
G-4	Comprehensive Study of GFRP Bar Bond Behavior Using Beam End Test	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood	10:30 - 11:00	G-9	Numerical Simulations of Pile Foundations in Soft Clay Under Lateral Loading	Prof. Dr. Amanullah Marri	
G-5	Flexural Behaviour of Concrete Beams Reinforced with Hybrid Reinforcement	Prof. Dr. Abdul Jabbar Sangi	Dr. Fawwad Masood	11:00 - 11:30	G-10	BIM-LIDAR-VR Integrated Framework for Interactive Building Maintenance	Prof. Dr. Farrukh Arif	Engr. Waleed Ahmed Khan
G-14	Estimating Parameters for Constitutive Modelling of High and Ultra-High Strength Concrete Using ar Artificial Intelligence	Prof. Dr. Shamsoon Fareed	Dr. Fatima Khalid	11:30 - 12:00	G-11	BIM-Enabled Decision Support Framework for Mintenance Management of Built Asscts	Prof. Dr. Farrukh Arif	
G-15	Influence of Nano-Particles on Mechanical Properties of Ultra High Strength Concrete	Prof. Dr. Shamsoon Fareed	Engr. Ayesha Ayub	12:00 - 12:30	G-12	Design and Constructability of a Sustainable Modular Housing Structure	Prof. Dr. Farrukh Arif	
G-16	Infuences of Nano-Particles on the Dynamic Strength of Ultra-High Performance Concrete	Prof. Dr. Shamsoon Fareed	Engr. Ayesha Ayub	12:30 - 1:00	G-13	Soil Reinforcement for Pavement Using Sustainable Materials	Dr. Sadaf Qasim	Dr. Sajjad Ali
			Prayer and	Lunch Break (1:	00 - 2:	00)		
G-17	Low Cost Housing Units Using Supplementary Cementitious Materials Bamboo and Hollow Blocks	Dr. Syed Salman Mobeen	Dr. Fawwad Masood	2:00 - 2:30	G-18	Improving Rainfall Estimation Using Gauge Calibrated Satellite Sources	Engr. Haris Akram Bhatti	
G-36	Comparative Evaluation of the Effects of Potable and Contaminated Water on the Mechanical Properties of Compacted Soil	Dr. Sadia Moin		2:30 - 3:00	G-22	Identification of Accident Location (Black Spot) in Selected Railway Line	Dr. Sajjad Ali	
G-19	Rainfall Data Convergence: Integrating Satellite and Rain Gauge Estimates for Enhanced Hydrological Design	Engr. Haris Akram Bhatti		3:00 - 3:30	G-23	Traffic Signal Need Assessment and Optimization for A High-Volume Congested Roundabout	Dr. Sajjad Ali	
G-20	Field Surveys, Fragility Functions	Dr. Aslam Faqeer Mohammad	Engr. M. Hammad	3:30 - 4:00	G-25	Driver Fatigue Assessment of Prevailing and Heavy Fraffic Modes in Selected Urban Arterials	Dr. Sajjad Ali	
G-21	Engineering Assessment and Structural Evaluation of a Dangerous Reinforced Concrete (RC) Building n Karachi	Dr. Aslam Faqeer Mohammad		4:00 - 4:30	G-24	ocation Optimization of Small Port: An Evaluation for Maritime Infrastructure Development	Dr. Sajjad Ali	

SEVENTH SEMESTER EXAM SCHEDULE OF CE- 409 FINAL YEAR DESIGN PROJECT

Date: 18 December, 2025 (Thursday)

	Venue: Unde	rgraduate Computer Centr	e-Lab 1			Venue: Undergraduate	Computer Centre-Lab 2	
Group No.	Project Title	Name (Internal Supervisor)	Name (Co-Supervisor)	Time .	Group No.		Name (Internal Supervisor)	Name (Co-Superviso
G-43	Design of a Circular Economy-Green Building Principles Integrated Building Using Digital Tools	Prof. Dr. Farrukh Arif	Engr. Faiza Saeed	9:00 - 9:30	G-32	Re-evaluation of Kalabagh Dam's Technical and Environmental Feasibility Under Modern Climate and Socio-Political Conditions.	Dr. Areba Syed	
G-44	Enhancing Building Envelope Design through Termal Performance Assessment	Prof. Dr. Farrukh Arif	Engr. Faiza Saeed	9:30 - 10:00	G-33	Hydrological Modeling of the Hub River Watershed with QGIS and SWAT+: Guiding Best Management Practices for Sustainable Agriculture and Water Use	Dr. Areba Syed	
G-29	Managing Construction Logistics Along the BRT Project in Karachi	Dr. Rana Rabnawaz Ahmed	Dr. Syed Muzammil Abbas Rizvi	10:00 - 10:30	G-34	Effect of Climate Change and Urbanization in Swa Valley	Dr. Areba Syed	
G-45	4D BIM with Construction Safety Simulation: A Case Study for Improved Site Safety	Engr. Farhan Saleem		10:30 - 11:00	G-35	Evaluation of Drinking Water Suitability in Malir District Using Drinking Water Suitability Index (DWSI) and Statistical Analysis	Dr. Areba Syed	
G-30	A BIM Based Facility Management Model for Effective Maintenance of an Industrial Project	Dr. Rana Rabnawaz Ahmed	Dr. Syed Salman Mobeen	11:00 - 11:30	G-39	Impact of Micro Plastics on Mangrove Ecosystems along Karachi's Coastline and Its Removal by Physical, Chemical and Biological Methods	Dr. Mehmood Ali	
	Reducing Carbon Footprint Across the Supply Chain of an Infrastructure Project	Dr. Rana Rabnawaz Ahmed	Dr. Syed Muzammil Abbas Rizvi	11:30 - 12:00	- G-40	Solar Powered Water Heating System: Design, Implementation and Cost Comparison with Conventional Electric Heater	Dr. Mehmood Ali	
	BIM - Based Proactive Delay Detection and Mitigation in Construction Projects	Dr. Rana Rabnawaz Ahmed		12:00 - 12:30		Modelling Behavior of Transport User and Preference Towards Proposed Karachi Circular Railway (KCR)	Engr. Syed Muhammad Noman	
G-47	Evaluating Material Recovery Potential Using /arious Deconstruction Strategies: A Case Study from the Local Construction Sector	Dr. Rana Rabnawaz Ahmed		12:30 - 1:00	G-27	Framework Development for Railway Infrastruchure and Rehabilitation: A Case Study of KCR	Engr. Syed Muhammad Noman	
			Prayer and	d Lunch Break (1:	00 - 2:0	0)		
	ublic Transportation Routes Rationalization and uture Direction		Dr. Syed Muzammil Abbas Rizvi	2:00 - 2:30	G-38	Assessment of Micro-Plastic and Disinfectant Interactions in Tap Water: Implications on Bacterial Re-Growth, Disinfection Efficiency, and Civil Water Infrastructure	Dr. Sadia Khan	Dr. Mehmood Ali
	ptimization of Aggregate Grading to Reduce ement Content in Concrete Mixtures	Prof. Dr. Atif Mustafa	Dr. Tariq Jamil	2:30 - 3:00		Plant-Based Biowaste for Removal of Edible Oils from Municipal Wastewater	Dr. Sadia Khan	Dr. Mehmood Ali
				3:00 - 3:30	G-42 F	Assessment of Drinking Water Suitability in DHA Phase 8 Using Drinking Water Suitability Index DWSI) and Statistical Analysis	Dr. Sadia Khan	
				3:30 - 4:00				

FYDP Coordinator

Approved By: Prof. Dr. Abdul Jabbar San

Chairman

NB+ Webste