Main Research Topics For KPC Scholarship 24/25

# Program	#	Research Topic
-		
1 Petroleum Eng. (Production)	1	Artificial lift
	2	Stimulation
		Water management
		Production chemistry
		Sand control
		Asphaltene Scale and corrosion
		Well Testing
		Multiphase Flow
		Production Logging
		Production optimization
2 Petroleum Eng. (Reservoir)	1	Chemical EOR
	2	Thermal EOR
		Gas EOR
		Reservoir Modeling
		Formation Evaluation
		Fluid Flow In Porous Media
		Logging
		Unconventional Reservoirs Geomechanics
		Carbon Capture Utilization & Sequestration (CCUS)
		Reservoir conformance control
	12	Reservoir conformance control
3 Petroleum Eng. (Drilling)	1	Formation Damage
	2	Intelligent Well Completion
	3	Directional Drilling
	4	Drilling optimization
4 Geology & Geophysics		Fracture Characterization
		Formation Evaluation Reservoir Characterization
		Reservoir Modeling
		Unconventional Reservoirs
		Geomechanics
	7	Carbon Capture Utilization & Sequestration (CCUS)
	8	Formation Damage
	9	Basin Analysis and Petroleum Systems
		Geochemist
	11	Geophysics
5 Chemical Eng. & Chemistry	1	Water Management
5 Chemical Eng. & Chemistry	2	Corrosion & Scale
		Asphaltene
		Process Control
	5	Production Operation
	6	Production Chemistry
	7	Process Engineering
	8	Thermodynamics
	9	Material Science
	10	Energy & Sustainability
6 Electrical Engineering	1	Artificial Intelligence
- Electrical Engineering	2	
		Digitization
		Data Analytics
		Automation
	6	Quantum Computing
7 Physics	1	Imaging (NMR, CT)
	2	Surface Phenomena