



BIKANER TECHNICAL UNIVERSITY, BIKANER
Scheme & Syllabus
IV Year- VII & VIII Semester: B. Tech. (Petroleum Engineering)

Teaching & Examination Scheme
B.Tech.: Petroleum Engineering
4thYear – VII Semester

THEORY											
		Course		Contact hrs/week			Marks				Cr
SN	Category	Code	Title								
				L	T	P	Exm Hrs	IA	ETE	Total	
1	PCC	7PE4-01	Enhanced Oil Recovery Techniques	3	0	0	3	30	120	150	3
2	OE		Open Elective I: To be chosen from the bundle of open electives floated by other departments.	3	0	0	3	30	120	150	3
		Sub Total		6	0	0		60	240	300	6
PRACTICAL & SESSIONAL											
3	PCC	7PE4-21	Gas Testing Lab	0	0	2	0	30	20	50	1
4		7PE4-22	Energy & Geopolitics Sessional	0	0	2	0	30	20	50	1
5		7PE4-23	Minor Project	0	0	4	0	60	40	100	2
6	PSIT	7PE7-30	Industrial Training	1	0	0				125	2.5
7		7PE7-40	Seminar	2	0	0				100	2
8	SODE CA	7PE8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
		Sub- Total		3	0	8		120	80	450	9
		TOTAL OF VII SEMESTER		9	0	8		180	320	750	15

L: Lecture, T: Tutorial, P: Practical, Cr: Credits

ETE: End Term Exam, IA: Internal Assessment



BIKANER TECHNICAL UNIVERSITY, BIKANER
Scheme & Syllabus
IV Year- VII & VIII Semester: B. Tech. (Petroleum Engineering)

List of Open Electives for Petroleum Engineering			
Subject Code	Title	Subject Code	Title
Open Elective - I		Open Elective - II	
7AG6-60.1	Human Engineering and Safety	8AG6-60.1	Energy Management
7AG6-60.2	Environmental Engineering and Disaster Management	8AG6-60.2	Waste and By-product Utilization
7AN6-60.1	Aircraft Avionic System	8AN6-60.1	Finite Element Methods
7AN6-60.2	Non-Destructive Testing	8AN6-60.2	Factor of Human Interactions
7CH6-60.1	Optimization Techniques	8CH6-60.1	Refinery Engineering Design
7CH6-60.2	Sustainable Engineering	8CH6-60.2	Fertilizer Technology
7CR6-60.1	Introduction to Ceramic Science & Technology	8CR6-60.1	Electrical and Electronic Ceramics
7CR6-60.2	Plant, Equipment and Furnace Design	8CR6-60.2	Biomaterials
7CE6-60.1	Environmental Impact Analysis	8CE6-60.1	Composite Materials
7CE6-60.2	Disaster Management	8CE6-60.2	Fire and Safety Engineering
7CS6-60.1	Quality Management/ISO 9000	8CS6-60.1	Big Data Analytics
7CS6-60.2	Cyber Security	8CS6-60.2	IPR, Copyright and Cyber Law of India
7EE6-60.1	Electrical Machines and Drives	8EE6-60.1	Energy Audit and Demand side Management
7EE6-60.2	Power Generation Sources.	8EE6-60.2	Soft Computing
7EC6-60.1	Principle of Electronic communication	8EC6-60.1	Industrial and Biomedical applications of RF Energy
7EC6-60.2	Micro and Smart System Technology	8EC6-60.2	Robotics and control
7ME6-60.1	Finite Element Analysis	8ME6-60.1	Operations Research
7ME6-60.2	Quality Management	8ME6-60.2	Simulation Modeling and Analysis
7MI6-60.1	Rock Engineering	8MI6-60.1	Experimental Stress Analysis
7MI6-60.2	Mineral Processing	8MI6-60.2	Maintenance Management
7TT6-60.1	Technical Textiles	8TT6-60.1	Material and Human Resource Management
7TT6-60.2	Garment Manufacturing Technology	8TT6-60.2	Disaster Management