JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Comparison of Program Structure R19 with R20

Program Code	Program Name	Total No. of Courses		No of Subjects			Total Courses	Percentage %
		R19	R20	Added in (R20)	Deleted (R19)	Content revised more than 20%		
021D07	M.Tech Petroleum	85	-	-	-	-	20	100%

Coordinator

REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

HOD/Chairman

Head
Dept. of Petroleum Engineering &
Petrochemical Engineering, UCEK (A
J.N.T.University Kakinada
Kakinada - 533 003 A.P India

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021D07	M.Tech Petroleum engg.	85	-	-	-	-	20	100

Coordinator   **HOD**

R16						R19						Remarks		
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %
						PC-1	1. Offshore Drilling. (PE stream) 2. A Fundamentals Of Petroleum Geology and Reservoir Engineering. (NON- PE stream)	3	0	0	3	Yes		
						PC-2	1.Reservoir Stimulation(PE stream) 2. Petroleum well Drilling and Production Engineering. (NON- PE stream)	3	0	0	3	Yes		
						PE-1	1. Advanced Numerical Methods and Applied Statistics. 2. CBM & Shale gas engineering	3	0	0	3	Yes		
						PE-2	1. Transportation of Oil and Gas 2. Advanced Well Logging techniques & Well Testing Analysis	3	0	0	3	Yes		
							Research Methodology and IPR.	0	0	4	2	Yes		
						L-1	Advanced Numerical Methods and Applied Statistics Laboratory (MATLAB Based)	0	0	4	2	Yes		
						L-1	Drilling Simulation Laboratory.	2	0	0	2	Yes		
						AC-1	Project Management.	2	0	0	0	Yes		
							TOTAL				18			

| R16 | | | | | | R19 | | | | | | Remarks | | |
Course code	Course name	L	T	P	C	Course code	Course name	L	T	P	C	New Course? (R19)	Deleted Course? (R16)	Content Revision %
							Artificial Lift Techniques	3	0	0	3	Yes		
							Reservoir Modelling & Simulation	3	0	0	3	Yes		
							1. Advanced EOR Techniques. 2. Advanced well completions.	0	0	3	3	Yes		
							1. Flow Assurance. 2. Advanced horizontal well technology	0	0	3	3	Yes		
							Reservoir Simulation Laboratory	0	0	4	2	Yes		
							Flow Assurance Laboratory.	0	0	4	2	Yes		
							Integrated Reservoir Management.	2	0	0	2	Yes		
							Internship in Petroleum industry and presentations. #	2	0	0	0	Yes		
							TOTAL				18			

R16						R19						Remarks		
						Course code	**Course name**	**L**	**T**	**P**	**C**	**New Course? (R19)**	**Deleted Course? (R16)**	**Content Revision %**
						Program Elective – V CA301	MOOCs- I	3	0	0	3	yes		
						Open Elective CA 302	MOOCs – II	3	0	0	3	yes		
						CA 303	Project /Dissertation Phase-I	0	0	20	10	yes		
							TOTAL				16			

R16						R19						Remarks		
						Course code	**Course name**	**L**	**T**	**P**	**C**	**New Course? (R19)**	**Deleted Course? (R16)**	**Content Revision %**
						1	Project /Dissertation Phase-II	0	0	32	16	yes		
							TOTAL				16			