

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Comparison of Program Structure R19 with R20

Program	Code		0211)0+ M. lech Petroleum			
Program Name			ch Petroleum			
Total No.	R19		85			
Total No. of Courses	R20					
	Added in	(R20)				
No of Subjects	Deleted	(R19)	1			
jects	Deleted Content revised Courses	more than 20%	1			
Total	Courses	Y	20			
Total Percentage	%		100%			

Coordinator

REGISTRAR N.T. University Kakinad

J.N.T. University Kakinada Kakinada-533003

HOD/Chairman

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



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Kakinada-533003, Andhra Pradesh (India)

Comparison of Program Structure R19 with R20

Program	Program Name	Total No.	of Courses		No of Sub	jects	Total	Percentage
Code		R19	R20	Added in (R20)	Deleted (R19)			%
021D07	M.Tech Petroleum engg.	85	-	-	-	-	20	100

Coordinator

Program Code: 021D07 Program Name: M. Tech – PETROLEUM ENGINEERING (new course) Year: I Semester: I

	R16						R19						S	
Cour se code	Course name	ourse name L T P C Course code Course name			Course name	L	Т	P	С	New Cour se? (R19)	Delet ed Cour se? (R16)	Conte nt Revisi on %		
						PC-1	 Offshore Drilling. (PE stream) 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	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		
				T			TOTAL				18			

Program Code: 021D07

Cour

se

code

R16

Course name | L | T | P | C

Program Name: M. Tech – PETROLEUM ENGINEERING

Course

code

e	: M. Tech – PETROLEUM ENGINEERING	Ye	ar:	l		Semes		
	R19					ı	Remarks	5
	Course name	L	Т	P	С	New Cour se? (R19)	Delet ed Cour se? (R16)	Cont ent Revis ion %
	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		

TOTAL

Yes

18

Internship in Petroleum industry and presentations. #

Program Code: 021D07

Program Name:M.Tech -PETROLEUM ENGINEERING

Year: II

Semester: III

R16	R19				1	ks	
	Course code	L T	Р	С	Cour se? (R19)	Delet ed Cour se?	Content Revision %
	Program MOOCs- I Elective - V CA301	3 0	0 0	3	yes	(R16)	
	Open MOOCs – II Elective CA 302	3 0	0 0	3	yes		
	CA 303 Project /Dissertation Phase-I	0 0	0		yes		
	TOTAL			16			

Program Code: 021D07

Program Name:M.Tech – PETROLEUM ENGINEERING

Year: II

Semester: IV

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