

II Year I Semester

S. No	Category	Course Code	Subject Title	Hours per Week			Credits	Internal	External	Total	
				L	T	P					
1	BSC	201HB301	Mathematics-III	3	0	0	3	30	70	100	
2	HSMC	201HB305	Managerial Economics and Financial Analysis	3	0	0	3	30	70	100	
3	PCC	201HB202	Fluid Mechanics for Petroleum Engineers	3	0	0	3	30	70	100	
4	PCC	201HB303	Petroleum Geology	3	0	0	3	30	70	100	
5	PCC	201HB304	Process Calculation	3	0	0	3	30	70	100	
6	ESC	201PT311	Computational Methods Laboratory	0	0	3	1.5	50	50	100	
7	PCC	201PT312	Fluid Mechanics Laboratory	0	0	3	1.5	50	50	100	
8	PCC	201PT313	Petroleum Geology Laboratory	0	0	3	1.5	50	50	100	
9	SC	201CS381	Programming with Python	0	1	2	2	-	50	50	
10	MC	201CS391	Constitution of India	2	0	0	0	30*	70*	100*	
				Total	17	1	11	21.5	300	550	850
BSC = 3 HSMC = 3 ESC = 1.5 PCC = 12 SC = 2 MC = 0											

*Zero credit course marks not counted in total and it is satisfactory course.

University Nominee
(Prof. K.V.Rao)

Internal Member
(Dr. N V R Nagalakshmi)

Internal Member
(Dr. A Venkata Ramana)

Subject Expert
(Dr. Ravi Gujjula)

Internal Member
(Dr. K Siva Kumar)

Invitee Member
(Dr. M V Sekhar Babu)

Subject Expert
(Dr. C V Subramanyam)

Internal Member
(Mr. Nagurvali S.K)

Chairman, BOS
(Mr Ahammad Sharif)

Industrial Expert
(Mr. M V S V Prasad)

Internal Member
(Ms K. Balabramini)

II Year II Semester

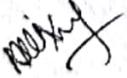
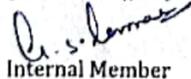
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	ESC	201PT401	Elements of Mechanical Engineering	3	0	0	3	30	70	100
2	PCC	201PT402	Instrumentation, Process Dynamics & Controls	3	0	0	3	30	70	100
3	PCC	201PT403	Petroleum Exploration	3	0	0	3	30	70	100
4	PCC	201PT404	Process Heat Transfer	3	0	0	3	30	70	100
5	PCC	201PT405	Process Thermodynamics	3	0	0	3	30	70	100
6	PCC	201PT411	Instrumentation, Process Dynamics & Controls Laboratory	0	0	3	1.5	50	50	100
7	PCC	201PT412	Petroleum Analysis Laboratory	0	0	3	1.5	50	50	100
8	PCC	201PT413	Process Heat Transfer Laboratory	0	0	3	1.5	50	50	100
9	SC	201PT414	Engineering Exploration Project	1	0	2	2	-	50	50
				Total	16	0	11	21.5	300	550
										850
ESC = 3 PCC = 16.5 SC = 2										
Minors course				4	0	0	4	-		

*At the end of II-Year II semester, students must complete Summer Internship – I.

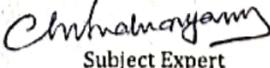
KVIL
 University Nominee
 (Prof. K.V.Rao)

 Internal Member
 (Dr. N V R Nagalakshmi)


 Internal Member
 (Dr. A Venkata Ramana)

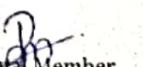

 Subject Expert
 (Dr. Ravi Gujjula)

 Internal Member
 (Dr. K Siva Kumar)


 Invitee Member
 (Dr. M V Sekhar Babu)


 Subject Expert
 (Dr. C V Subramanyam)


 Internal Member
 (Mr. Nagurvali S.K.)


 Industrial Expert
 (Mr. M V S V Prasad)

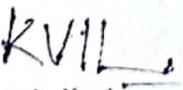

 Internal Member
 (Ms. K. Balabramini)


 Chairman, BOS
 (Mr. Ahammed Sharif)

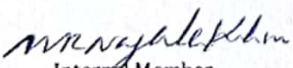
III Year I Semester

S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PCC	201PT501	Drilling & Well Completions	3	0	0	3	30	70	100
2	PCC	201PT502	Petroleum Reservoir Engineering-I	3	0	0	3	30	70	100
3	PCC	201PT503	Well Logging & Formation Evaluation	3	0	0	3	30	70	100
4	PEC		PE-I	3	0	0	3	30	70	100
5	OEC		OE-I	3	0	0	3	30	70	100
6	PCC	201PT511	Drilling Fluids Laboratory	0	0	3	1.5	50	50	100
7	PCC	201PT512	Petroleum Reservoir Engineering Laboratory	0	0	3	1.5	50	50	100
8	SC	201HB581	English for Career	1	0	2	2	-	50	50
9	MC	201MB591	IPR and Patents	2	0	0	0	30*	70*	100*
10	PROJ	201PT531	Summer Internship-I	0	0	0	1.5	100	-	100
				Total	18	0	8	21.5	350	500
										850
PEC=3 OEC=3 PCC=12 PROJ=1.5 SC=2 MC = 0										
Minors course				4	0	0	4			

* Internal evolution for internal and external examination, satisfactory course



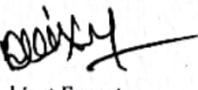
University Nominee



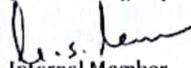
Internal Member
(Dr. N V R Nagalakshmi)



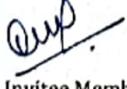
Internal Member
(Dr. A Venkata Ramana)



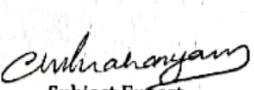
Subject Expert
(Dr. Ravi Gujjula)



Internal Member
(Dr. K Siva Kumar)



Special Invitee Member
(Dr. M V Sekhar Babu)



Subject Expert
(Dr. C V Subramanyam)



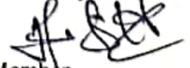
Internal Member
(Mr. Nagurval S.K.)



Chairman, BOS
(Dr. Charan Kumar Ala)



Industrial Expert
(Mr. M V S V Prasad)



Internal Member
(Mr. Ahammad Sharif)

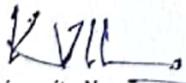
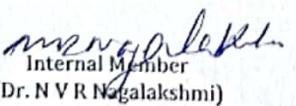
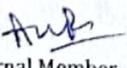
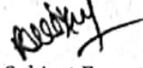
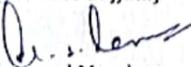
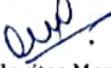
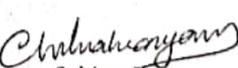
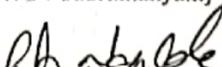
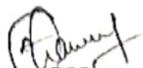
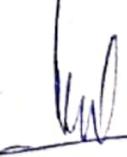
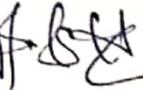
III Year II Semester

S. N o	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	Extern al	Total	
				L	T	P					
1	PCC	201PT601	Enhanced Oil Recovery Techniques	3	0	0	3	30	70	100	
2	PCC	201PT602	Petroleum Production Engineering	3	0	0	3	30	70	100	
3	PCC	201PT603	Petroleum Reservoir Engineering-II	3	0	0	3	30	70	100	
4	PEC		PE-II	3	0	0	3	30	70	100	
5	OEC		OE-II	3	0	0	3	30	70	100	
6	PCC	201PT611	Petroleum Equipment Design Simulation Laboratory	0	0	3	1.5	50	50	100	
7	PCC	201PT612	Petroleum Reservoir Simulation Laboratory	0	0	3	1.5	50	50	100	
8	PCC	201PT613	Computer Aided Drafting	0	0	3	1.5	50	50	100	
9	SC	201PT681	Applications of ML in Petroleum Engineering	1	0	2	2	-	50	50	
10	MC	201HB691	Quantitative Aptitude and Reasoning	2	0	0	0	30*	70*	100*	
				Total	18	0	11	21.5	300	550	850
PEC=3 OEC=3 PCC=13.5 SC=2 MC = 0											
Minors course				4	0	0	4				

*Internal evolution for internal and external examination, satisfactory course

**At the end of III Year II Semester, students must complete summer internship-II.

***In case of exigency, students should take Community Service Project in place of summer internship-II.


University Nominee
Internal Member
(Dr. N V R Nagalakshmi)
Internal Member
(Dr. A Venkata Ramana)
Subject Expert
(Dr. Ravi Gujjula)
Internal Member
(Dr. K Siva Kumar)
Special Invitee Member
(Dr. M V Sekhar Babu)
Subject Expert
(Dr. C V Subramanyam)
Internal Member
(Mr. Nagurvali S.K.)
Chairman, BOS
(Dr. Charan Kumar Ala)
Industrial Expert
(Mr. M V S V Prasad)
Internal Member
(Mr Ahammad Sharif)

IV Year I Semester

S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total	
				L	T	P					
1	PEC		PE-III	3	0	0	3	30	70	100	
2	PEC		PE-IV	3	0	0	3	30	70	100	
3	PEC		PE-V	3	0	0	3	30	70	100	
4	OEC		OE-III	3	0	0	3	30	70	100	
5	OEC		OE-IV	3	0	0	3	30	70	100	
6	HSMC	201HB781	*UHV-II	3	0	0	3	50	50	100	
7	PROJ	201PT731	Summer Internship-II	0	0	0	3	100	-	100	
8	SC	201PT781	Computer Aided Pipe Line Design	1	0	2	2	-	50	50	
				Total	19	0	2	23	300	450	750
PEC=9 OEC=6 HSMC=3 PROJ=3 SC=2				Minors course	4	0	0	4			

*UHV syllabus will be the AICTE approved syllabus as given in Vol. II AICTE UG Curriculum as in Annexure I

KVL

University Nominee

Subject Expert
(Dr. Ravi Gujjula)narayalakshmi
Internal Member
(Dr. N V R Nagalakshmi)Internal Member
(Dr. A Venkata Ramana)

Ravi Gujjula

Internal Member
(Dr. K Siva Kumar)

S. K.

Special Invitee Member
(Dr. M V Sekhar Babu)

C. V. Subramanyam

Subject Expert
(Dr. C V Subramanyam)

Nagurvali S.K.

Internal Member
(Mr. Nagurvali S.K.)

M. V. S. V. Prasad

Industrial Expert
(Mr. M V S V Prasad)

A. H. Sharif

Internal Member
(Mr Ahammad Sharif)

Charan Kumar Ala

Chairman, BOS
(Dr. Charan Kumar Ala)

IV Year II Semester

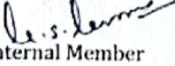
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PROJ	201PT841	Project (Project work, Seminar and Internship in industry)	0	0	0	12	60	140	200
Total				0	0	0	12	60	140	200
PROJ=12										

KVII
University Nominee
(Prof. K.V.Rao)

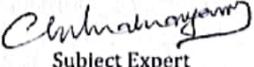

Internal Member
(Dr. N V R Nagalakshmi)


Internal Member
(Dr. A Venkata Ramana)


Subject Expert
(Dr. Ravi Gujjula)


Internal Member
(Dr. K Siva Kumar)


Invitee Member
(Dr. M V Sekhar Babu)


Subject Expert
(Dr. C V Subramanyam)


Internal Member
(Mr. Nagurvali S.K.)


Chairman, BOS
(Mr Ahammad Sharif)


Industrial Expert
(Mr. M V S V Prasad)


Internal Member
(MsK.Balabramini)

PROFESSIONAL ELECTIVE COURSES

S No	Semester	Course Code	Courses	L	T	P	C
PE-I	V	201PT564A	Fundamentals of Liquefied Natural Gas	3	0	0	3
		201PT564B	Flow through Porous Medium				
		201PT564C	Pipeline Engineering				
		201PT564D	Petroleum Refining and Petrochemical Engineering				
PE-II	VI	201PT664A	Surface Production Operations	3	0	0	3
		201PT664B	Carbon Dioxide Sequestration				
		201PT664C	Reservoir modeling and Simulation				
		201PT664D	Transport Phenomena				
PE-III	VII	201PT761A	Subsea Engineering	3	0	0	3
		201PT761B	Advances in Well Control				
		201PT761C	HSE in Petroleum Industry				
		201PT761D	Coal Bed Methane Engineering				
PE-IV	VII	201PT762A	Advanced Well Completion Engineering	3	0	0	3
		201PT762B	Oil and Gas Processing Plant Design				
		201PT762C	Natural Gas Engineering				
		201PT762D	Geothermal Reservoir Engineering				
PE-V	VII	201PT763A	Horizontal Well Technology	3	0	0	3
		201PT763B	Offshore Engineering				
		201PT763C	Shale Gas Reservoir Engineering				
		201PT763D	Advanced Drilling Operations				

KVIL
University Nominee

mangalakshmi
Internal Member
(Dr. N V R Nagalakshmi)

A.V.Ramana
Internal Member
(Dr. A Venkata Ramana)

Ravi Gujjula
Subject Expert
(Dr. Ravi Gujjula)

K.Siva Kumar
Internal Member
(Dr. K Siva Kumar)

M.V.Sekhar Babu
Special Invitee Member
(Dr. M V Sekhar Babu)

C.V.Subramanyam
Subject Expert
(Dr. C V Subramanyam)

Nagurvali SK
Internal Member
(Mr. Nagurvali S.K)

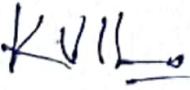
Charan Kumar Ala
Chairman, BOS
(Dr. Charan Kumar Ala)

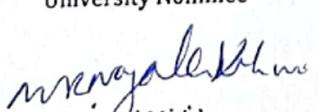
M.S.V.Prasad
Industrial Expert
(Mr. M V S V Prasad)

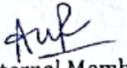
Ahammad Sharif
Internal Member
(Mr Ahammad Sharif)

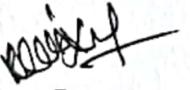
OPEN ELECTIVE COURSES

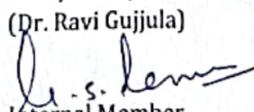
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OE-I	V	201PT565a	Fundamentals of Petroleum Engineering	3	0	0	3
OE-II	VI	201PT665a	Basic Concepts in Petroleum Drilling Engineering	3	0	0	3
OE-III	VII	201PT763a	Introduction to Petroleum Production Engineering	3	0	0	3
OE-IV	VII	201PT764a	Basic concepts in Petroleum Reservoir Engineering	3	0	0	3

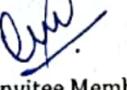

University Nominee

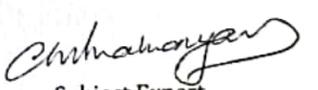

Internal Member
(Dr. N V R Nagalakshmi)

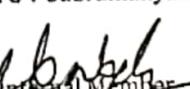

Internal Member
(Dr. A Venkata Ramana)


Subject Expert
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Internal Member
(Dr. K Siva Kumar)

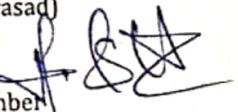

Special Invitee Member
(Dr. M V Sekhar Babu)


Subject Expert
(Dr. C V Subramanyam)


Internal Member
(Mr. Nagurvali S.K)


Chairman, BOS
(Dr. Charan Kumar Ala)


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