

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

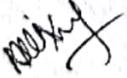
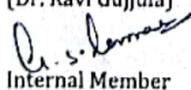
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total	
				L	T	P					
1	ESC	201PT401	Elements of Mechanical Engineering	3	0	0	3	30	70	100	
2	PCC	201PT402	Instrumentation, Process Dynamics & Controls	3	0	0	3	30	70	100	
3	PCC	201PT403	Petroleum Exploration	3	0	0	3	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.

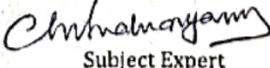
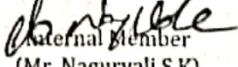
KVIL
University Nominee
(Prof. K.V.Rao)

Internal Member
(Dr. N V R Nagalakshmi)

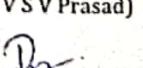

Internal Member
(Dr. A Venkata Ramana)


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)

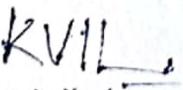

Chairman, BOS
(Mr Ahammad Sharif)

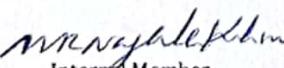

Industrial Expert
(Mr. M V S V Prasad)

Internal Member
(Ms. K. Balabramini)

III Year I Semester

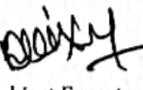
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				L	T	P				
1	PCC	201PT501	Drilling & Well Completions	3	0	0	3	30	70	100
2	PCC	201PT502	Petroleum Reservoir Engineering-I	3	0	0	3	30	70	100
3	PCC	201PT503	Well Logging & Formation Evaluation	3	0	0	3	30	70	100
4	PEC		PE-I	3	0	0	3	30	70	100
5	OEC		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
				PEC=3	OEC=3	PCC=12	PROJ=1.5	SC=2	MC = 0	850
				Minors course		4	0	0	4	

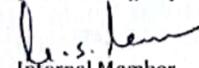
* Internal evolution for internal and external examination, satisfactory course

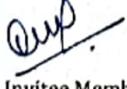

University Nominee

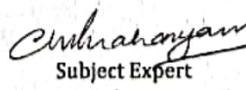

Internal Member
(Dr. N V R Nagalakshmi)


Internal Member
(Dr. A Venkata Ramana)


Subject Expert
(Dr. Ravi Gujjula)


Internal Member
(Dr. K Siva Kumar)

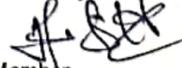

Special Invitee Member
(Dr. M V Sekhar Babu)


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.

K V L

University Nominee

N V R Nagalakshmi

(Dr. N V R Nagalakshmi)

A. Venkata Ramana

(Dr. A Venkata Ramana)

Ravi Gujjula

Subject Expert
(Dr. Ravi Gujjula)

K. Siva Kumar

Internal Member
(Dr. K Siva Kumar)

M. Sekhar Babu

Special Invitee Member
(Dr. M V Sekhar Babu)

C. V. Subramanyam

Subject Expert
(Dr. C V Subramanyam)

N. Nagurvali S.K.

Internal Member
(Mr. Nagurvali S.K.)

Charan Kumar Ala

Chairman, BOS
(Dr. Charan Kumar Ala)

M. V. S. V. Prasad

Industrial Expert
(Mr. M V S V Prasad)

A. H. Sharif

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)Subject Expert
(Dr. C V Subramanyam)Internal Member
(Dr. K Siva Kumar)Special Invitee Member
(Dr. M V Sekhar Babu)

C V Subramanyam

Subject Expert
(Dr. C V Subramanyam)Internal Member
(Mr. Nagurvali S.K)Chairman, BOS
(Dr. Charan Kumar Ala)

M V S V Prasad

Industrial Expert
(Mr. M V S V Prasad)Internal Member
(Mr. Ahammad Sharif)

IV Year II Semester

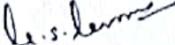
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PROJ	201PT841	Project (Project work, Seminar and Internship in industry)	0	0	0	12	60	140	200
Total				0	0	0	12	60	140	200
PROJ=12										

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

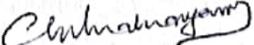

Internal Member
(Dr. N V R Nagalakshmi)

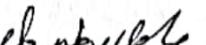

Internal Member
(Dr. A Venkata Ramana)


Subject Expert
(Dr. Ravi Gujjula)


Internal Member
(Dr. K Siva Kumar)


Invitee Member
(Dr. M V SekharBabu)


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)

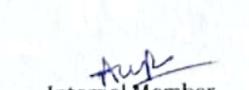

Internal Member
(MsK.Balabramini)

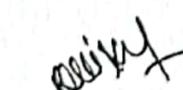
PROFESSIONAL ELECTIVE COURSES

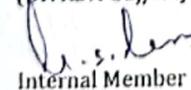
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PE-I	V	201PT564A	Fundamentals of Liquefied Natural Gas	3	0	0	3
		201PT564B	Flow through Porous Medium				
		201PT564C	Pipeline Engineering				
		201PT564D	Petroleum Refining and Petrochemical Engineering				
PE-II	VI	201PT664A	Surface Production Operations	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				


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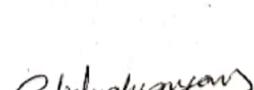

Internal Member
(Dr. N V R Nagalakshmi)


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Subject Expert
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Internal Member
(Dr. K Siva Kumar)

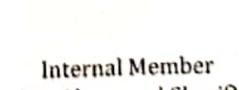

Special Invitee Member
(Dr. M V Sekhar Babu)


Subject Expert
(Dr. C V Subramanyam)


Internal Member
(Mr. Nagurvali S.K)

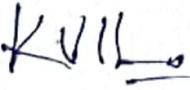

Chairman, BOS
(Dr. Charan Kumar Ala)


Industrial Expert
(Mr. M V S V Prasad)

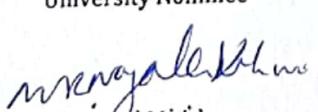

Internal Member
(Mr Ahammad Sharif)

OPEN ELECTIVE COURSES

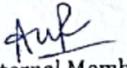
S. No.	Semester	Course Code	Courses	L	T	P	C
OE-I	V	201PT565a	Fundamentals of Petroleum Engineering	3	0	0	3
OE-II	VI	201PT665a	Basic Concepts in Petroleum Drilling Engineering	3	0	0	3
OE-III	VII	201PT763a	Introduction to Petroleum Production Engineering	3	0	0	3
OE-IV	VII	201PT764a	Basic concepts in Petroleum Reservoir Engineering	3	0	0	3



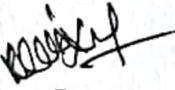
University Nominee



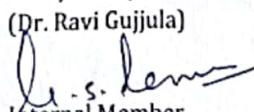
Internal Member
(Dr. N V R Nagalakshmi)



Internal Member
(Dr. A Venkata Ramana)



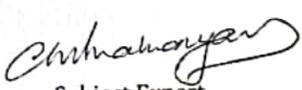
Subject Expert
(Dr. Ravi Gujjula)



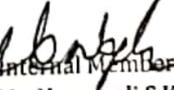
Internal Member
(Dr. K Siva Kumar)



Special Invitee Member
(Dr. M V Sekhar Babu)



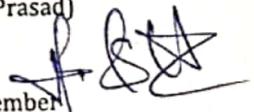
Subject Expert
(Dr. C V Subramanyam)



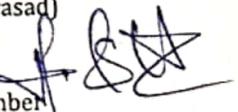
Internal Member
(Mr. Nagurvali S.K)



Chairman, BOS
(Dr. Charan Kumar Ala)



Industrial Expert
(Mr. M V S V Prasad)



Internal Member
(Mr Ahammad Sharif)