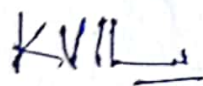


II Year I Semester

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										

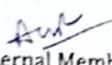
*Zero credit course marks not counted in total and it is satisfactory course.



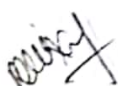
University Nominee
(Prof. K.V.Rao)



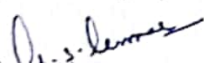
Internal Member
(Dr. N V R Nagalakshmi)



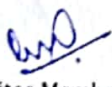
Internal Member
(Dr. A Venkata Ramana)



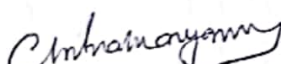
Subject Expert
(Dr. Ravi Gujjula)



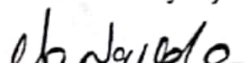
Internal Member
(Dr. K Siva Kumar)



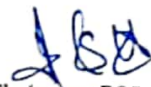
Invitee Member
(Dr. M V Sekhar Babu)



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
(MsK.Balabramini)

II Year II Semester

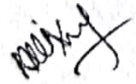
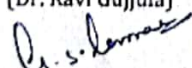
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	ESC	201PT401	Elements of Mechanical Engineering	3	0	0	3	30	70	100
2	PCC	201PT402	Instrumentation, Process Dynamics & Controls	3	0	0	3	30	70	100
3	PCC	201PT403	Petroleum Exploration	3	0	0	3	30	70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

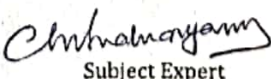
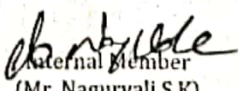

 University Nominee
 (Prof. K.V.Rao)

 Internal Member
 (Dr. N V R Nagalakshmi)

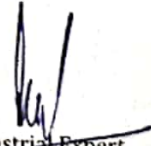
 Internal Member
 (Dr. A Venkata Ramana)


 Subject Expert
 (Dr. Ravi Gujjula)

 Internal Member
 (Dr. K Silva 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)

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

KVIL
University Nominee

Dr. N V R Nagalakshmi
Internal Member
(Dr. N V R Nagalakshmi)

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

Dr. Ravi Gujjula
Subject Expert
(Dr. Ravi Gujjula)

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

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

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

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

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

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

Mr. Ahammad Sharif
Internal Member
(Mr. Ahammad Sharif)

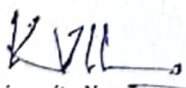
III Year II Semester

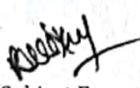
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PCC	201PT601	Enhanced Oil Recovery Techniques	3	0	0	3	30	70	100
2	PCC	201PT602	Petroleum Production Engineering	3	0	0	3	30	70	100
3	PCC	201PT603	Petroleum Reservoir Engineering-II	3	0	0	3	30	70	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			

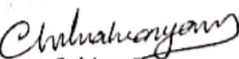
*Internal evolution for internal and external examination, satisfactory course

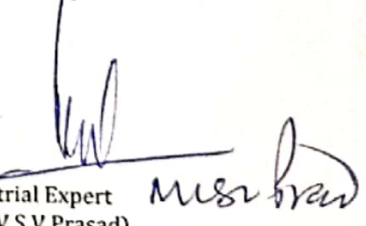
**At the end of III Year II Semester, students must complete summer internship-II.

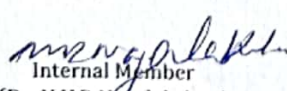
***In case of exigency, students should take Community Service Project in place of summer internship-II.

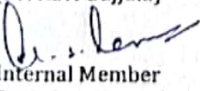

University Nominee

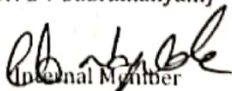

Subject Expert
(Dr. Ravi Gujjula)

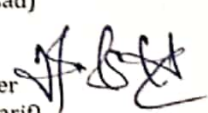

Subject Expert
(Dr. C V Subramanyam)

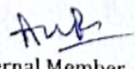

Industrial Expert
(Mr. M V S V Prasad)

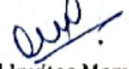

Internal Member
(Dr. N V R Nagalakshmi)

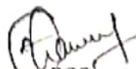

Internal Member
(Dr. K Siva Kumar)


Internal Member
(Mr. Nagurvali S.K)


Internal Member
(Mr. Ahammad Sharif)


Internal Member
(Dr. A Venkata Ramana)


Special Invitee Member
(Dr. M V Sekhar Babu)

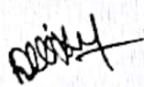

Chairman, BOS
(Dr. Charan Kumar Ala)

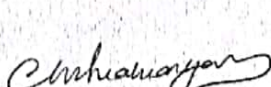
IV Year I Semester

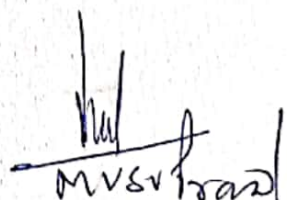
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PEC		PE-III	3	0	0	3	30	70	100
2	PEC		PE-IV	3	0	0	3	30	70	100
3	PEC		PE-V	3	0	0	3	30	70	100
4	OEC		OE-III	3	0	0	3	30	70	100
5	OEC		OE-IV	3	0	0	3	30	70	100
6	HSMC	201HB781	*UHV-II	3	0	0	3	50	50	100
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			

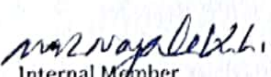
*UHV syllabus will be the AICTE approved syllabus as given in Vol. II AICTE UG Curriculum as in Annexure I

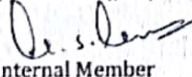

University Nominee

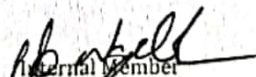

Subject Expert
(Dr. Ravi Gujjula)


Subject Expert
(Dr. C V Subramanyam)

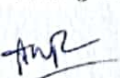

Industrial Expert
(Mr. M V S V Prasad)


Internal Member
(Dr. N V R Nagalakshmi)

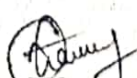

Internal Member
(Dr. K Siva Kumar)


Internal Member
(Mr. Nagurvali S.K)


Internal Member
(Mr Ahammad Sharif)


Internal Member
(Dr. A Venkata Ramana)


Special Invitee Member
(Dr. M V Sekhar Babu)


Chairman, BOS
(Dr. Charan Kumar Ala)

IV Year II Semester

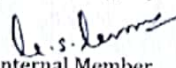
S. No	Category	Course Code	Subject Title	Periods per Week			Credits	Internal	External	Total
				L	T	P				
1	PROJ	201PT841	Project (Project work, Seminar and Internship in industry)	0	0	0	12	60	140	200
Total				0	0	0	12	60	140	200
PROJ=12										


University Nominee
(Prof. K.V.Rao)

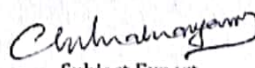

Internal Member
(Dr. N V R Nagalakshmi)

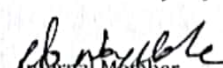

Internal Member
(Dr. A Venkata Ramana)


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)

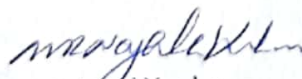

Industrial Expert
(Mr. M V S V Prasad)


Internal Member
(MsK.Balabramini)

PROFESSIONAL ELECTIVE COURSES

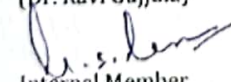
S No	Semester	Course Code	Courses	L	T	P	C
PE-I	V	201PT564A	Fundamentals of Liquefied Natural Gas	3	0	0	3
		201PT564B	Flow through Porous Medium				
		201PT564C	Pipeline Engineering				
		201PT564D	Petroleum Refining and Petrochemical Engineering				
PE-II	VI	201PT664A	Surface Production Operations	3	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				


University Nominee

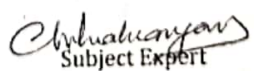

Internal Member
(Dr. N V R Nagalakshmi)

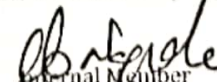

Internal Member
(Dr. A Venkata Ramana)

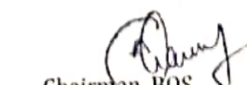

Subject Expert
(Dr. Ravi Gujjula)


Internal Member
(Dr. K Siva Kumar)

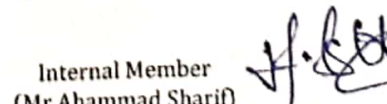

Special Invitee Member
(Dr. M V Sekhar Babu)


Subject Expert
(Dr. C V Subramanyam)


Internal Member
(Mr. Nagurvali S.K)

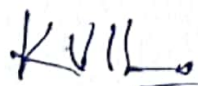

Chairman, BOS
(Dr. Charan Kumar Ala)


Industrial Expert
(Mr. M V S V Prasad)

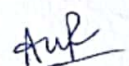

Internal Member
(Mr Ahammad Sharif)

OPEN ELECTIVE COURSES

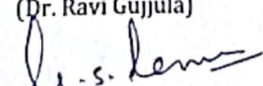
S. No.	Semester	Course Code	Courses	L	T	P	C
OE-I	V	201PT565a	Fundamentals of Petroleum Engineering	3	0	0	3
OE-II	VI	201PT665a	Basic Concepts in Petroleum Drilling Engineering	3	0	0	3
OE-III	VII	201PT763a	Introduction to Petroleum Production Engineering	3	0	0	3
OE-IV	VII	201PT764a	Basic concepts in Petroleum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


University Nominee

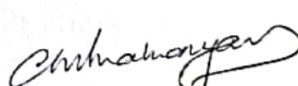

Internal Member
(Dr. N V R Nagalakshmi)

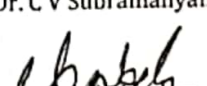

Internal Member
(Dr. A Venkata Ramana)

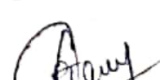

Subject Expert
(Dr. Ravi Gujjula)


Internal Member
(Dr. K Siva Kumar)

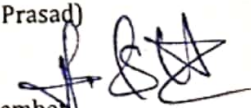

Special Invitee Member
(Dr. M V Sekhar Babu)


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)