



# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## **SCHOOL OF ENGINEERING** **DEPARTMENT OF PETROLEUM ENGINEERING**

Ref. No. PU/SOE-PET/VAC/2020-21-ODD/CIR-01

Date: 13<sup>th</sup> July, 2020

### **CIRCULAR**

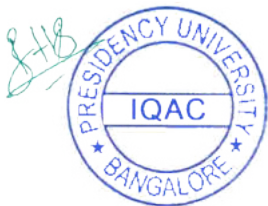
The following Value Added Courses (VACs) are proposed to be offered by the Department of Petroleum Engineering during the ODD Semester of AY 2020-2021. All interested students are hereby informed to complete their course registration before 27<sup>th</sup> July 2020. It is advised to not register for more than two courses.

Sl. No.	Course Code	Course Name
1	PET V003	A Short Term Course on Petroleum Exploration and Production Activities
2	PET V004	Basics of Badminton for Beginners
3	PET V006	Hydrocarbon Assurance - A Research Implications
4	PET V007	Research Methodology
5	PET V008	Development and Design of Drilling Fluid System for High Pressure High Temperature Well
6	PET V009	New Age Writing Skills
7	PET V010	Introduction to Distillation Column Design
8	PET V011	Excel for Mathematics
9	PET V012	Well Control and Completion
10	PET V015	Industrial Waste Water Treatment and Management

#### Important Information:

- (1) Duration of each course will be a minimum of 30 hours and the mode of delivery will be either Offline or Online or Hybrid depending on the availability of the Course Instructor In-charge.
- (2) Course Completion Certificates will be issued to the students who will maintain a minimum of 50% attendance till the last Instruction Day and secure a minimum of 50% marks in the continuous assessment.

For further information, feel free to contact the undersigned signed.



  
**Dr. Suman Paul**  
**(HOD-PET)**

Head of the Department  
Petroleum Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanakunte, Yelahanka, Bengaluru -64



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025

Campus: Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560 089

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# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## SCHOOL OF ENGINEERING

### DEPARTMENT OF PETROLEUM ENGINEERING

Ref. No. PU/SOE-PET/VAC/2020-21-ODD/CIR-02

Date: 30<sup>th</sup> July, 2020

### CIRCULAR

In continuation to the previous Circular (Ref. No. PU/SOE-PET/VAC/2020-21-ODD/CIR-01, Dated: 13<sup>th</sup> July, 2020), the following Value Added Courses (VACs) are finalized based on the applications received and are to be offered by the Department of Petroleum Engineering during the ODD Semester of AY 2020-2021. All the registered students are hereby informed that the classes will commence from 1<sup>st</sup> August, 2020.

Sl. No.	Name of the Faculty	Course Code	Course Name	Course Duration
1	Dr. Deepjyoti Mech	PET V003	A Short Term Course on Petroleum Exploration and Production Activities	30 Hours
2	Dr. Suman Paul	PET V004	Basics of Badminton for Beginners	30 Hours
3	Dr. Deepjyoti Mech	PET V006	Hydrocarbon Assurance - A Research Implications	30 Hours
4	Dr. Kalpajit Hazarika	PET V007	Research Methodology	30 Hours
5	Mr. Bhairab Jyoti Gogoi	PET V008	Development and Design of Drilling Fluid System for High Pressure High Temperature Well	30 Hours
6	Mr. Indraneel Agasty	PET V009	New Age Writing Skills	30 Hours
7	Mr. Ankur Neog	PET V010	Introduction to Distillation Column Design	30 Hours
8	Mr. Sugat Srivastava	PET V011	Excel for Mathematics	30 Hours
9	Mr. Anmol Bhargava	PET V012	Well Control and Completion	30 Hours
10	Dr. Kalpajit Hazarika	PET V015	Industrial Waste Water Treatment and Management	30 Hours

#### Important Information:

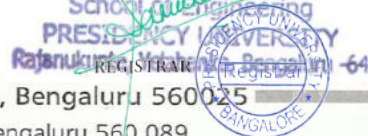
- (1) Duration of each course will be a minimum of 30 hours and the mode of delivery will be either Offline or Online or Hybrid depending on the availability of the Course Instructor In-charge.
- (2) Course Completion Certificates will be issued to the students who will maintain a minimum of 50% attendance till the last Instruction Day and secure a minimum of 50% marks in the continuous assessment.
- (3) It is the sole responsibility of the registered students to always be in touch with the respective Course Instructor In-charges and keep track of attendance and continuous assessment status.
- (4) Course Completion Certificates will be issued after completion of the evaluation process.

For further information, feel free to contact the undersigned signed.



**Dr. Suman Paul**  
(HOD-PET)

Head of the Department  
Petroleum Engineering  
School of Engineering



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025

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<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: A Short Term Course on Petroleum Exploration and Production Activities
<b>Course Code</b>	: PET V003
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Dr. Deepjyoti Mech
<b>Course Instructor(s)</b>	: Dr. Deepjyoti Mech, Mr. Bhairab Jyoti Gogoi, Dr. Suman Paul, Mr. Indraneel Agasty, Dr. Geetanjali Chauhan, Dr. Kalpajit Hazarika, Mr. Ankur Neog, Mr. Anmol Bhargava, Mr. Sugat Srivastava

### Course Description:

The objective of 'A Short Term Course on Petroleum Exploration and Production Activities', value added course is to prepare petroleum students of Presidency University for Technical job interviews and for complete exam such as GATE and also, to make them understand about an Industry related work of Petroleum Exploration and Production.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: Identify the stores of hydrocarbons, especially crude oil and natural gas, in the Earth,
- CO2: State the realities, data and information important to control tasks to get the maximum possible recovery from a reservoir at the least possible cost,
- CO3: Discuss design and implement procedures to drill wells and produce the hydrocarbons with various subsurface and surface production equipment and some downstream methods to know the fractionation of crude oil as safely and economically as possible,
- CO4: Explain the unconventional hydrocarbon methods to maximize the hydrocarbon recovery and contribute more to the energy basket of the world

### Course Content:

Topics include Petroleum Geology, Geophysics and Well-Logging, Reservoir Engineering, Production Engineering, and Unconventional Hydrocarbon Resources.

**Signature of the Instructor In-charge:**



**Signature of the HOD:**

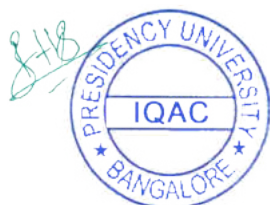


REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V003 - A Short Term Course on Petroleum Exploration and Production**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0001	AASHISH TYAGI	20171PET0001@presidencyuniversity.in
2	20171PET0003	ABHISHEK P K	20171PET0003@presidencyuniversity.in
3	20171PET0004	AJAY GURUNG	20171PET0004@presidencyuniversity.in
4	20171PET0005	AKSHAY S	20171PET0005@presidencyuniversity.in
5	20171PET0006	ALAN THOMAS JACOB	20171PET0006@presidencyuniversity.in
6	20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	20171PET0007@presidencyuniversity.in
7	20171PET0008	ANOOP K S	20171PET0008@presidencyuniversity.in
8	20171PET0009	ANUSHKA U N	20171PET0009@presidencyuniversity.in
9	20171PET0013	ARUN TJ	20171PET0013@presidencyuniversity.in
10	20171PET0015	ASIM KHAN	20171PET0015@presidencyuniversity.in
11	20171PET0016	ATHIRA C TOM	20171PET0016@presidencyuniversity.in
12	20171PET0019	AYITARAJU HARSHITH	20171PET0019@presidencyuniversity.in
13	20171PET0020	BALKRISHNA M MOTTANNAVAR	20171PET0020@presidencyuniversity.in
14	20171PET0021	BHAVANA N	20171PET0021@presidencyuniversity.in
15	20171PET0022	BOGGAVARAPU MANIDEEP	20171PET0022@presidencyuniversity.in
16	20171PET0023	C A TAUHEED	20171PET0023@presidencyuniversity.in
17	20171PET0024	ASHNA JOSE	20171PET0024@presidencyuniversity.in
18	20171PET0026	ELNO VINOBY	20171PET0026@presidencyuniversity.in
19	20171PET0030	HISHAM K E	20171PET0030@presidencyuniversity.in
20	20171PET0032	JAALESH K S	20171PET0032@presidencyuniversity.in
21	20171PET0034	K PRANEETH	20171PET0034@presidencyuniversity.in
22	20171PET0035	K VISHWAJEET	20171PET0035@presidencyuniversity.in
23	20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	20171PET0036@presidencyuniversity.in
24	20171PET0038	KARTHIK M G	20171PET0038@presidencyuniversity.in
25	20171PET0039	KORNIPALLI SAI PAVAN	20171PET0039@presidencyuniversity.in
26	20171PET0040	LAYONA JOSEPH	20171PET0040@presidencyuniversity.in
27	20171PET0042	MARIAM SUSAN MATHEW	20171PET0042@presidencyuniversity.in
28	20171PET0043	MD MUZAMMIL FARAZ	20171PET0043@presidencyuniversity.in
29	20171PET0044	MEGHA MOHANAN	20171PET0044@presidencyuniversity.in
30	20171PET0045	MELVIN ALEX	20171PET0045@presidencyuniversity.in
31	20171PET0046	MIDHUN KRISHNA	20171PET0046@presidencyuniversity.in
32	20171PET0047	MOHAMMAD AFREED	20171PET0047@presidencyuniversity.in
33	20171PET0048	MOHAMMED AQUIB UR REHMAN	20171PET0048@presidencyuniversity.in
34	20171PET0049	MOHAMMED ASFA	20171PET0049@presidencyuniversity.in
35	20171PET0051	MOHAMMED RIYAN	20171PET0051@presidencyuniversity.in
36	20171PET0053	MOHAMMED SHAHBUDDIN	20171PET0053@presidencyuniversity.in
37	20171PET0055	MOHAMMED TASHFEEN KHAN	20171PET0055@presidencyuniversity.in
38	20171PET0057	MOHMAD AFZAL MOHMAD SIDIK	20171PET0057@presidencyuniversity.in
39	20171PET0059	MUHASIR K SIDHIQ	20171PET0059@presidencyuniversity.in



40	20171PET0060	MULE AKHIL	20171PET0060@presidencyuniversity.in
41	20171PET0062	NAZIYA SHAIKH	20171PET0062@presidencyuniversity.in
42	20171PET0065	NIKITH B	20171PET0065@presidencyuniversity.in
43	20171PET0067	PARTH R P	20171PET0067@presidencyuniversity.in
44	20171PET0068	PATEL RUSHABH BHARATBHAI	20171PET0068@presidencyuniversity.in
45	20171PET0070	PRAJWAL N SUVARNA	20171PET0070@presidencyuniversity.in
46	20171PET0071	VANDANA A	20171PET0071@presidencyuniversity.in
47	20171PET0073	RAHUL BENNY	20171PET0073@presidencyuniversity.in
48	20171PET0074	RAHUL CHANDRAN	20171PET0074@presidencyuniversity.in
49	20171PET0075	RAYANKULA SRI SAI PRUDHVINADH CHOWDARY	20171PET0075@presidencyuniversity.in
50	20171PET0077	RISHAB NANDAN R	20171PET0077@presidencyuniversity.in
51	20171PET0078	RISHABH RAJ	20171PET0078@presidencyuniversity.in
52	20171PET0079	ROMITH VIJAY KOLAPUR	20171PET0079@presidencyuniversity.in
53	20171PET0080	S M SHARFUL ISLAM	20171PET0080@presidencyuniversity.in
54	20171PET0081	SANJAI VARGHESE	20171PET0081@presidencyuniversity.in
55	20171PET0082	SARANG SURENDRAN	20171PET0082@presidencyuniversity.in
56	20171PET0083	HUZAIF ALI	20171PET0083@presidencyuniversity.in
57	20171PET0085	SHAHID AFRIDI	20171PET0085@presidencyuniversity.in
58	20171PET0087	SHIBIN RIYAS K M	20171PET0087@presidencyuniversity.in
59	20171PET0088	SINGANAPALLI RUPESH KUMAR	20171PET0088@presidencyuniversity.in
60	20171PET0091	SRAVAN SATISH	20171PET0091@presidencyuniversity.in
61	20171PET0092	SREEHARI P	20171PET0092@presidencyuniversity.in
62	20171PET0094	SUBHROJIT MUKHERJEE	20171PET0094@presidencyuniversity.in
63	20171PET0095	SUHAIR AHMED	20171PET0095@presidencyuniversity.in
64	20171PET0097	SYED SUHAIL AHMED F	20171PET0097@presidencyuniversity.in
65	20171PET0098	TANTUSREE BERA	20171PET0098@presidencyuniversity.in
66	20171PET0099	UTKARSHA KAKOTY	20171PET0099@presidencyuniversity.in
67	20171PET0100	V JOSHUA IMMANUEL	20171PET0100@presidencyuniversity.in
68	20171PET0101	V NACHITH GOWDA	20171PET0101@presidencyuniversity.in
69	20171PET0102	V SAI CHARAN	20171PET0102@presidencyuniversity.in
70	20171PET0103	VISMAYA SUDHEER	20171PET0103@presidencyuniversity.in
71	20171PET0104	Y JAKSON	20171PET0104@presidencyuniversity.in
72	20171PET0105	YADHUKRISHNAN K K	20171PET0105@presidencyuniversity.in
73	20171PET0107	PRITHVI NIMBALKAR	20171PET0107@presidencyuniversity.in
74	20171PET0109	RISHIN FARAS T P	20171PET0109@presidencyuniversity.in
75	20171PET0110	MUHAS K T	20171PET0110@presidencyuniversity.in
76	20171PET0112	G CHANDINI	20171PET0112@presidencyuniversity.in
77	20171PET0113	PATEL SHIVKUMAR	20171PET0113@presidencyuniversity.in
78	20171PET9003	YADUPAL K V	20171PET9003@presidencyuniversity.in
79	20171PET9005	ARJUN RAMESH	20171PET9005@presidencyuniversity.in
80	20171PET9006	DAYANAND M H	20171PET9006@presidencyuniversity.in
81	20171PET9007	SHAHID KHAN	20171PET9007@presidencyuniversity.in
82	20171PET9011	MOHAMMED RAIHAN	20171PET9011@presidencyuniversity.in
83	20171PET9012	S M ASIF	20171PET9012@presidencyuniversity.in
84	20171PET9013	MUSHFIQ AHMED	20171PET9013@presidencyuniversity.in
85	20171PET0112	SARANG SURENDRAN	20171PET0082@presidencyuniversity.in



*Moish*  
Instructor In-charge

*Fauz*  
HOD-PET

*Sanu*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE  
Registrar



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V003 - A Short Term Course on Petroleum Exploration and Production Activities

Name of Instructor In-charge: Dr. Deepjyoti Mech

S. No.	Student ID No.	Student Name	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	10-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	24-Oct-20	7-Nov-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	21-Nov-20	28-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended	
			3PM-4PM	4PM-5PM	1PM-2PM	2PM-3PM	3PM-4PM	1PM-2PM	2PM-3PM	3PM-4PM	1PM-2PM	2PM-3PM	3PM-4PM	4PM-5PM	5PM-6PM	7PM-8PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM								
1	20171PET0001	AASHISH TYAGI	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
2	20171PET0003	ABHISHEK P K	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
3	20171PET0004	AJAY GURUNG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
4	20171PET0005	AKSHAY S	1	1	1	A	1	1	1	1	1	1	A	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
5	20171PET0006	ALAN THOMAS JACOB	A	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
6	20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
7	20171PET0008	ANOOP K S	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83.33
8	20171PET0009	ANUSHKA U N	1	1	1	1	A	1	A	1	1	1	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
9	20171PET0013	ARUN TJ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	30	28	93.33
10	20171PET0015	ASIM KHAN	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
11	20171PET0016	ATHIRA C TOM	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
12	20171PET0019	AYITARAJU HARSHITH	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
13	20171PET0020	BALKRISHNA M MOTTANAVAR	A	1	1	A	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83.33
14	20171PET0021	BHAVANA N	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
15	20171PET0022	BOGGAVARAPU MANIDEEP	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
16	20171PET0023	C A TAUHEED	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	30	27	90.00
17	20171PET0024	ASHNA JOSE	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
18	20171PET0026	ELNO VINOBY	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
19	20171PET0030	HISHAM K E	1	A	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
20	20171PET0032	JAALESH K S	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
21	20171PET0034	K PRANEETH	1	1	1	1	1	1	1	A	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
22	20171PET0035	K VISHWAJEET	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	1	1	30	26	86.67
23	20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
24	20171PET0038	KARTHIK M G	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	30	27	90.00
25	20171PET0039	KORUJIPALI SAI PAVAN	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67
26	20171PET0040	LAJONA JOSEPH	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	30	26	86.67
27	20171PET0042	MARIAM SUSAN MATHEW	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
28	20171PET0043	MD MUZAMMIL FARAZ	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
29	20171PET0044	MEGHA MOHANAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67

REGISTRAR



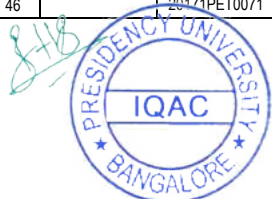






**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V003		Academic Year :		2020-2021		
Course Name :		A Short Term Course on Petroleum Exploration and Production Activities		Semester :		ODD		
				Instructor In-Charge Name :		Dr. Deepjyoti Mech		
				Instructor In-Charge Employee ID :		PUNIV00903		
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0001	AASHISH TYAGI	SoE	93.33	85	Yes	Students who secured minimum 50% marks and maintained minimum 60% attendance are made eligible for certificate.
2		20171PET0003	ABHISHEK P K	SoE	96.67	90	Yes	
3		20171PET0004	AJAY GURUNG	SoE	96.67	90	Yes	
4		20171PET0005	AKSHAY S	SoE	86.67	95	Yes	
5		20171PET0006	ALAN THOMAS JACOB	SoE	90.00	85	Yes	
6		20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	SoE	93.33	85	Yes	
7		20171PET0008	ANOOOP K S	SoE	83.33	85	Yes	
8		20171PET0009	ANUSHKA U N	SoE	86.67	95	Yes	
9		20171PET0013	ARUN TJ	SoE	93.33	85	Yes	
10		20171PET0015	ASIM KHAN	SoE	93.33	85	Yes	
11		20171PET0016	ATHIRA C TOM	SoE	93.33	94	Yes	
12		20171PET0019	AYITARAJU HARSHITH	SoE	86.67	90	Yes	
13		20171PET0020	BALKRISHNA M MOTTANAVAR	SoE	83.33	88	Yes	
14		20171PET0021	BHAVANA N	SoE	96.67	85	Yes	
15		20171PET0022	BOGGAVARAPU MANIDEEP	SoE	93.33	95	Yes	
16		20171PET0023	C A TAUHEED	SoE	90.00	90	Yes	
17		20171PET0024	ASHNA JOSE	SoE	90.00	95	Yes	
18		20171PET0026	ELNO VINOBY	SoE	96.67	88	Yes	
19		20171PET0030	HISHAM K E	SoE	80.00	87	Yes	
20		20171PET0032	JAALESH K S	SoE	96.67	88	Yes	
21		20171PET0034	K PRANEETH	SoE	86.67	95	Yes	
22		20171PET0035	K VISHWAJEET	SoE	86.67	94	Yes	
23		20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	SoE	96.67	90	Yes	
24		20171PET0038	KARTHIK M G	SoE	90.00	85	Yes	
25		20171PET0039	KORNIPALLI SAI PAVAN	SoE	96.67	85	Yes	
26		20171PET0040	LAYONA JOSEPH	SoE	86.67	85	Yes	
27		20171PET0042	MARIAM SUSAN MATHEW	SoE	90.00	85	Yes	
28		20171PET0043	MD MUZAMMIL FARAZ	SoE	90.00	85	Yes	
29		20171PET0044	MEGHA MOHANAN	SoE	96.67	85	Yes	
30		20171PET0045	MELVIN ALEX	SoE	90.00	88	Yes	
31		20171PET0046	MIDHUN KRISHNA	SoE	83.33	85	Yes	
32		20171PET0047	MOHAMMAD AFREED	SoE	86.67	95	Yes	
33		20171PET0048	MOHAMMED AQUIB UR REHMAN	SoE	90.00	90	Yes	
34		20171PET0049	MOHAMMED ASFA	SoE	83.33	90	Yes	
35		20171PET0051	MOHAMMED RIYAN	SoE	90.00	85	Yes	
36		20171PET0053	MOHAMMED SHAHBUDDIN	SoE	96.67	90	Yes	
37		20171PET0055	MOHAMMED TASHFEEN KHAN	SoE	90.00	90	Yes	
38		20171PET0057	MOHMAD AFZAL MOHMAD SIDIK	SoE	86.67	85	Yes	
39		20171PET0059	MUHASIR K SIDHIQ	SoE	93.33	85	Yes	
40		20171PET0060	MULE AKHIL	SoE	86.67	95	Yes	
41		20171PET0062	NAZIYA SHAIKH	SoE	83.33	85	Yes	
42		20171PET0065	NIKITH B	SoE	93.33	92	Yes	
43		20171PET0067	PARTH R P	SoE	86.67	94	Yes	
44		20171PET0068	PATEL RUSHABH BHARATBHAI	SoE	86.67	90	Yes	
45		20171PET0070	PRAJWAL N SUVARNA	SoE	90.00	88	Yes	
46		20171PET0071	VANDANA A	SoE	90.00	85	Yes	



47		20171PET0073	RAHUL BENNY	SoE	86.67	95	Yes
48		20171PET0074	RAHUL CHANDRAN	SoE	90.00	90	Yes
49		20171PET0075	RAYANKULA SRI SAI PRUDHVINADH CHOWDARY	SoE	83.33	94	Yes
50		20171PET0077	RISHAB NANDAN R	SoE	90.00	90	Yes
51		20171PET0078	RISHABH RAJ	SoE	90.00	88	Yes
52		20171PET0079	ROMITH VIJAY KOLAPUR	SoE	83.33	95	Yes
53		20171PET0080	S M SHARFUL ISLAM	SoE	96.67	94	Yes
54		20171PET0081	SANJAI VARGHESE	SoE	86.67	90	Yes
55		20171PET0082	SARANG SURENDRAN	SoE	90.00	85	Yes
56		20171PET0083	HUZAIF ALI	SoE	83.33	85	Yes
57		20171PET0085	SHAHID AFRIDI	SoE	96.67	85	Yes
58		20171PET0087	SHIBIN RIYAS K M	SoE	86.67	85	Yes
59		20171PET0088	SINGANAPALLI RUPESH KUMAR	SoE	90.00	85	Yes
60		20171PET0091	SRAVAN SATISH	SoE	86.67	85	Yes
61		20171PET0092	SREEHARI P	SoE	93.33	88	Yes
62		20171PET0094	SUBHROJIT MUKHERJEE	SoE	83.33	85	Yes
63		20171PET0095	SUHAIR AHMED	SoE	83.33	95	Yes
64		20171PET0097	SYED SUHAIL AHMED F	SoE	93.33	85	Yes
65		20171PET0098	TANTUSREE BERA	SoE	90.00	85	Yes
66		20171PET0099	UTKARSHA KAKOTY	SoE	90.00	85	Yes
67		20171PET0100	V JOSHUA IMMANUEL	SoE	66.67	85	Yes
68		20171PET0101	V NACHITH GOWDA	SoE	93.33	85	Yes
69		20171PET0102	V SAI CHARAN	SoE	83.33	85	Yes
70		20171PET0103	VISMAYA SUDHEER	SoE	93.33	88	Yes
71		20171PET0104	Y JAKSON	SoE	86.67	85	Yes
72		20171PET0105	YADHUKRISHNAN K K	SoE	86.67	95	Yes
73		20171PET0107	PRITHVI NIMBALKAR	SoE	93.33	90	Yes
74		20171PET0109	RISHIN FARAS T P	SoE	90.00	90	Yes
75		20171PET0110	MUHAS K T	SoE	96.67	85	Yes
76		20171PET0112	G CHANDINI	SoE	96.67	90	Yes
77		20171PET0113	PATEL SHIVKUMAR	SoE	83.33	90	Yes
78		20171PET9003	YADUPAL K V	SoE	86.67	85	Yes
79		20171PET9005	ARJUN RAMESH	SoE	90.00	85	Yes
80		20171PET9006	DAYANAND M H	SoE	83.33	95	Yes
81		20171PET9007	SHAHID KHAN	SoE	96.67	85	Yes
82		20171PET9011	MOHAMMED RAIHAN	SoE	86.67	92	Yes
83		20171PET9012	S M ASIF	SoE	83.33	94	Yes
84		20171PET9013	MUSHFIQ AHMED	SoE	83.33	90	Yes

Name of Course Instructor 1: Dr. Deepiyoti Mech  
Employee ID of Course Instructor 1: PUNIV00903

Name of Course Instructor 2: Dr. Suman Paul  
Employee ID of Course Instructor 2: PUNIV00548

Name of Course Instructor 3: Dr. Geetanjali Chauhan  
Employee ID of Course Instructor 3: PUNIV00902

Name of Course Instructor 4: Dr. Kalpajit Hazarika  
Employee ID of Course Instructor 4: PUNIV01078

Name of Course Instructor 5: Mr. Bhairab Jyoti Gogoi  
Employee ID of Course Instructor 5: PUNIV00454

Name of Course Instructor 6: Mr. Indraneel Agasty  
Employee ID of Course Instructor 6: PUNIV00898

Name of Course Instructor 7: Mr. Ankur Neog  
Employee ID of Course Instructor 7: PUNIV01084

Name of Course Instructor 8: Mr. Sugat Srivastava  
Employee ID of Course Instructor 8: PUNIV01135

Name of Course Instructor 9: Mr. Anmol Bhargava  
Employee ID of Course Instructor 9: PUNIV01136

*Mech*

Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Sports and Games
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Basics of Badminton for Beginners
<b>Course Code</b>	: PET V004
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Dr. Suman Paul
<b>Course Instructor(s)</b>	: Dr. Suman Paul (Department of PET)

### Course Description:

The objective of offering "Basics of Badminton for Beginners" as a Value Added Course (VAC) is to create awareness about the technical aspects of badminton among the badminton lovers by educating them with the basics of badminton, performance factors, movement skills, hitting skills, tactics, physical, and lifestyle of players. This course is specially designed for beginners who love to play badminton and are eager to gain technical knowledge to improve performance. Though the course is designed with the intention of conducting practical sessions, it will be offered through virtual mode only to maintain social distancing due to CoViD-19 pandemic.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: Discuss the basics of badminton
- CO2: Define the five performance factors that underpin successful participation in badminton
- CO3: Describe methods of training movement patterns
- CO4: Describe different badminton strokes
- CO5: Suggest basic tactical practices that heighten awareness and decision-making skills
- CO6: Construct appropriate warm-up and cool-down exercises
- CO7: Identify the lifestyle factors that can affect performance

### Course Content:

**Module 1: Basics of Badminton** - Badminton Basics, Aim of the Game, Rules of the Game, Why Badminton Appeals, Elite Level Badminton, Olympic and Paralympic Games, Origin of Badminton, Positive benefits of Badminton Participation, Regulating Badminton Worldwide, BWF Vision, Mission and Goals.

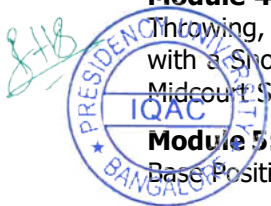
**Module 2: Performance Factors** - Performance in Badminton, Importance of 'Early' to Badminton Performance, Factors affecting Badminton Performance, Stages of Player Development.

**Module 3: Movement Skills** - Components of Badminton Movements, Split-Step, Approach and Recovery, Movements associated with Hitting, Movement Patterns. Videos.

**Module 4: Hitting Skills** - Introduction to Hitting Techniques, Biomechanical Principles, Catching and Throwing, Games for Catching and Throwing, Developing Striking Skills, Hitting with the Hand, Hitting with a Short Grip, Hitting with a Long Grip, Basic Strokes – Introduction to Serving, Forecourt Strokes, Midcourt Strokes, Rearcourt Strokes. Videos.

**Module 5: Tactics** - Badminton Defined, Badminton "Situations", Tactics Defined, Related Training Skills, Base Position, Singles Tactics, Doubles Tactics, Mixed Doubles Tactics. Videos.

**Module 6: Physical** - Physical Fitness, Motor Fitness, Warm-up, Pulse Raising Exercises, Mobility Exercises, Balance, Quickness / Speed, Knock-up, Cool-down, Videos.





# PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

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## Module 7: Lifestyle - Lifestyle Factors Defined, Injury Prevention, Injury Management, R.I.C.E.

Signature of the Instructor In-charge:

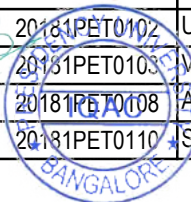
Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V004 - Basics of Badminton for Beginners**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0016	ATHIRA C TOM	20171PET0016@presidencyuniversity.in
2	20171PET0026	ELNO VINOBY	20171PET0026@presidencyuniversity.in
3	20171PET0030	HISHAM K E	20171PET0030@presidencyuniversity.in
4	20171PET0039	KORNIPALLI SAI PAVAN	20171PET0039@presidencyuniversity.in
5	20171PET0046	MIDHUN KRISHNA	20171PET0046@presidencyuniversity.in
6	20171PET0059	MUHASIR K SIDHIQ	20171PET0059@presidencyuniversity.in
7	20171PET0077	RISHAB NANDAN R	20171PET0077@presidencyuniversity.in
8	20171PET0081	SANJAI VARGHESE	20171PET0081@presidencyuniversity.in
9	20171PET0085	SHAHID AFRIDI	20171PET0085@presidencyuniversity.in
10	20171PET0087	SHIBIN RIYAS K M	20171PET0087@presidencyuniversity.in
11	20171PET9005	ARJUN RAMESH	20171PET9005@presidencyuniversity.in
12	20171MEC0126	MOHAMMED ISHAQ AHMED	20171MEC0126@presidencyuniversity.in
13	20181PET0010	ARAVIND M	20181PET0010@presidencyuniversity.in
14	20181PET0012	ASHAD MOHAMMED	20181PET0012@presidencyuniversity.in
15	20181PET0013	ASWIN S KUMAR	20181PET0013@presidencyuniversity.in
16	20181PET0014	ATHUL P SAJU	20181PET0014@presidencyuniversity.in
17	20181PET0029	JAHIRSHA C	20181PET0029@presidencyuniversity.in
18	20181PET0031	JITHU JOHNY	20181PET0031@presidencyuniversity.in
19	20181PET0038	KRISHNA ASHOK	20181PET0038@presidencyuniversity.in
20	20181PET0046	MILAN SASEENDRAN	20181PET0046@presidencyuniversity.in
21	20181PET0047	MODEPALLI SAI VENKATACHARY	20181PET0047@presidencyuniversity.in
22	20181PET0051	MOHAMMED RABEEN ALI	20181PET0051@presidencyuniversity.in
23	20181PET0055	MUHAMMED ARIF	20181PET0055@presidencyuniversity.in
24	20181PET0057	NAMMAKAYALA BHASKARA SATYA MAHESH	20181PET0057@presidencyuniversity.in
25	20181PET0062	PARVEZ PASHA	20181PET0062@presidencyuniversity.in
26	20181PET0078	SAHANA K	20181PET0078@presidencyuniversity.in
27	20181PET0081	SANDUPATLA VENKATA BHANU PRAKASH	20181PET0081@presidencyuniversity.in
28	20181PET0082	SANIVARAPU VENKATESWARA REDDY	20181PET0082@presidencyuniversity.in
29	20181PET0086	SHWETHA G	20181PET0086@presidencyuniversity.in
30	20181PET0087	SINAN SINAN	20181PET0087@presidencyuniversity.in
31	20181PET0088	SOMALA VISHNU VARDHAN REDDY	20181PET0088@presidencyuniversity.in
32	20181PET0093	SYED SHAH KHURSHEED ALI	20181PET0093@presidencyuniversity.in
33	20181PET0099	THEJAS JADHAV	20181PET0099@presidencyuniversity.in
34	20181PET0100	THIRUNAVUKARASU V T	20181PET0100@presidencyuniversity.in
35	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	20181PET0101@presidencyuniversity.in
36	20181PET0102	USMAN A GHANI K L	20181PET0102@presidencyuniversity.in
37	20181PET0103	MYSHNAV K P	20181PET0103@presidencyuniversity.in
38	20181PET0108	ATHIL ATHIL	20181PET0108@presidencyuniversity.in
39	20181PET0110	SHEJIL SHAJI	20181PET0110@presidencyuniversity.in



40	20181PET0111	THORANASHREE R	20181PET0111@presidencyuniversity.in
41	20181PET0114	RUSHIKA G J	20181PET0114@presidencyuniversity.in
42	20181PET9001	ARSHAK A	20181PET9001@presidencyuniversity.in
43	20181PET9004	GOKUL N K	20181PET9004@presidencyuniversity.in
44	20181PET9005	SNEHA T H	20181PET9005@presidencyuniversity.in
45	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	20191PET0026@presidencyuniversity.in
46	20191PET0034	MOHAMMED TAHA NAJEEB BASHA	20191PET0034@presidencyuniversity.in
47	20191PET0037	MOHD ZUBAIR	20191PET0037@presidencyuniversity.in
48	20191PET0050	SHAIK GOUSPEER VALI	20191PET0050@presidencyuniversity.in
49	20191PET0051	SHAIK MUSTAK	20191PET0051@presidencyuniversity.in
50	20191PET0059	THOTA GUNA NAGA MURARI	20191PET0059@presidencyuniversity.in
51	20191PET9006	SHABEER AHMED	20191PET9006@presidencyuniversity.in
52	20191CSE0582	SOUNDARYA C	20191CSE0582@presidencyuniversity.in
53	20191CSE0617	SYED SAFDAR FAISAL	20191CSE0617@presidencyuniversity.in
54	20191ECE0075	CHETHAN KALAPPA AMMANICHANDA	20191ECE0075@presidencyuniversity.in
55	20191ISE0045	DHANYATHA R	20191ISE0045 @presidencyuniversity.in
56	20191ISE0088	MADHURYA C	20191ISE0088 @presidencyuniversity.in
57	20191IST0058	INCHARA H G	20191IST0058@presidencyuniversity.in
58	20191MEC0024	BHANUSH B SHETTY	20191MEC0024 @presidencyuniversity.in

Instructor In-charge

HOD-PET





**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

Course Code with Course Name: PET V004 - Basics of Badminton for Beginners

Name of Instructor In-charge: Dr. Suman Paul

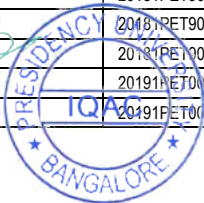
S. No.	Student ID No.	Student Name	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	10-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	24-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	21-Nov-20	28-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended	
			10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM				
1	20171PET0016	ATHIRA C TOM	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	28	93.33	
2	20171PET0026	ELNO VINOBY	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67	
3	20171PET0030	HISHAM K E	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
4	20171PET0039	KORNIPALLI SAI PAVAN	1	1	1	A	1	A	A	A	A	A	A	A	A	A	A	A	A	1	A	A	1	A	A	1	1	A	A	1	1	30	10	33.33	
5	20171PET0046	MIDHUN KRISHNA	A	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
6	20171PET0059	MUHASIR K SIDHIQ	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
7	20171PET0077	RISHAB NANDAN R	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83.33	
8	20171PET0081	SANJAI VARGHESE	1	1	1	1	A	1	A	1	1	1	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
9	20171PET0085	SHAHID AFRIDI	A	A	A	A	1	1	A	1	A	1	A	1	1	1	1	1	A	1	A	A	A	A	A	A	A	A	A	A	A	30	11	36.67	
10	20171PET0087	SHIBIN RIYAS K M	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
11	20171PET9005	ARJUN RAMESH	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	A	A	1	1	1	1	1	1	A	1	A	1	1	1	30	25	83.33	
12	20171MEC0126	MOHAMMED ISHAQ AHMED	1	1	A	A	A	1	1	A	A	A	1	A	A	A	A	1	A	A	1	A	1	A	A	A	1	1	A	A	1	30	11	36.67	
13	20181PET0010	ARAVIND M	A	A	1	A	1	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	30	9	30.00	
14	20181PET0012	ASHAD MOHAMMED	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
15	20181PET0013	ASWIN S KUMAR	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
16	20181PET0014	ATHUL P SAJU	1	1	1	A	1	1	1	1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	A	1	A	1	1	1	30	13	43.33
17	20181PET0029	JAHIRSHA C	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
18	20181PET0031	JITHU JOHNY	1	1	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	A	1	1	1	A	A	1	1	A	A	30	11	36.67	
19	20181PET0038	KRISHNA ASHOK	1	A	A	A	A	A	1	1	1	1	A	A	A	1	1	1	1	1	1	A	1	1	A	A	1	A	A	A	30	13	43.33		
20	20181PET0046	MILAN SASEENDRAN	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
21	20181PET0047	MODEPALLI SAI VENKATACHARY	1	1	1	1	1	1	A	1	1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	8	26.67	
22	20181PET0051	MOHAMMED RABEEN ALI	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	23	76.67	
23	20181PET0055	MUHAMMED ARIF	1	1	1	1	1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	1	1	1	30	12	40.00
24	20181PET0057	NANMAKAYALA BHASKARA SATYA MAHESH	1	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	A	30	13	43.33	
25	20181PET0062	IPARVEZ PASHA	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67	
26	20181PET0078	SAHANNA K	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	30	28	93.33	
27	20181PET0081	SANDIPATLA VENKATA BHANU PRAKASH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	A	1	1	1	1	1	30	27	90.00	
28	20181PET0082	SANIVARAPU VENKATESWARA REDDY	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
29	20181PET0086	SHWETHA G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67	

REGISTRAR  




**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V004		Academic Year :		2020-2021		
Course Name :		Basics of Badminton for Beginners		Semester :		ODD		
				Instructor In-Charge Name :		Dr. Suman Paul		
				Instructor In-Charge Employee ID :		PUNIV00548		
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0016	ATHIRA C TOM	SoE	93	87	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0026	ELNO VINOBY	SoE	97	88	Yes	
3		20171PET0030	HISHAM K E	SoE	100	90	Yes	
4		20171PET0039	KORNIPALLI SAI PAVAN	SoE	33	0	No	
5		20171PET0046	MIDHUN KRISHNA	SoE	90	79	Yes	
6		20171PET0059	MUHASIR K SIDHIQ	SoE	93	87	Yes	
7		20171PET0077	RISHAB NANDAN R	SoE	83	64	Yes	
8		20171PET0081	SANJAI VARGHESE	SoE	87	89	Yes	
9		20171PET0085	SHAHID AFRIDI	SoE	37	12	No	
10		20171PET0087	SHIBIN RIYAS K M	SoE	90	81	Yes	
11		20171PET9005	ARJUN RAMESH	SoE	83	50	Yes	
12		20171MEC0126	MOHAMMED ISHAQ AHMED	SoE	37	50	No	
13		20181PET0010	ARAVIND M	SoE	30	22	No	
14		20181PET0012	ASHAD MOHAMMED	SoE	93	63	Yes	
15		20181PET0013	ASWIN S KUMAR	SoE	93	67	Yes	
16		20181PET0014	ATHUL P SAJU	SoE	43	44	No	
17		20181PET0029	JAHIRSHA C	SoE	90	53	Yes	
18		20181PET0031	JITHU JOHNY	SoE	37	36	No	
19		20181PET0038	KRISHNA ASHOK	SoE	43	41	No	
20		20181PET0046	MILAN SASEENDRAN	SoE	93	52	Yes	
21		20181PET0047	MODEPALLI SAI VENKATACHARY	SoE	27	50	No	
22		20181PET0051	MOHAMMED RABEEN ALI	SoE	77	37	No	
23		20181PET0055	MUHAMMED ARIF	SoE	40	0	No	
24		20181PET0057	NAMMAKAYALA BHASKARA SATYA MAHESH	SoE	43	23	No	
25		20181PET0062	PARVEZ PASHA	SoE	97	50	Yes	
26		20181PET0078	SAHANA K	SoE	93	36	No	
27		20181PET0081	SANDUPATLA VENKATA BHANU PRAKASH	SoE	90	61	Yes	
28		20181PET0082	SANIVARAPU VENKATESWARA REDDY	SoE	90	58	Yes	
29		20181PET0086	SHWETHA G	SoE	97	54	Yes	
30		20181PET0087	SINAN SINAN	SoE	80	12	No	
31		20181PET0088	SOMALA VISHNU VARDHAN REDDY	SoE	43	40	No	
32		20181PET0093	SYED SHAH KHURSHEED ALI	SoE	87	50	Yes	
33		20181PET0099	THEJAS JADHAV	SoE	30	42	No	
34		20181PET0100	THIRUNAVUKARASU V T	SoE	83	54	Yes	
35		20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	SoE	30	0	No	
36		20181PET0102	USMAN A GHANI K L	SoE	30	39	No	
37		20181PET0103	VYSHNAV K P	SoE	83	35	No	
38		20181PET0108	ATHIL ATHIL	SoE	87	50	Yes	
39		20181PET0110	SHEJIL SHAJI	SoE	87	15	No	
40		20181PET0111	THORANASHREE R	SoE	47	35	No	
41		20181PET0114	RUSHIKA G J	SoE	83	53	Yes	
42		20181PET9001	ARSHAK A	SoE	93	58	Yes	
43		20181PET9004	GOKUL N K	SoE	87	59	Yes	
44		20181PET0005	SNEHA T H	SoE	87	50	Yes	
45		20191PET0026	MOHAMED MUNAWAR HUSSAIN M	SoE	43	0	No	
46		20191PET0034	MOHAMMED TAHA NAJEEB BASHA	SoE	90	69	Yes	



47		20191PET0037	MOHD ZUBAIR	SoE	73	60	Yes
48		20191PET0050	SHAIK GOUSPEER VALI	SoE	47	0	No
49		20191PET0051	SHAIK MUSTAK	SoE	83	58	Yes
50		20191PET0059	THOTA GUNA NAGA MURARI	SoE	40	32	No
51		20191PET9006	SHABEER AHMED	SoE	37	0	No
52		20191CSE0582	SOUNDARYA C	SoE	43	0	No
53		20191CSE0617	SYED SAFDAR FAISAL	SoE	97	69	Yes
54		20191ECE0075	CHETHAN KALAPPA AMMANICHANDA	SoE	87	50	Yes
55		20191ISE0045	DHANYATHA R	SoE	33	42	No
56		20191ISE0088	MADHURYA C	SoE	83	56	Yes
57		20191IST0058	INCHARA H G	SoE	97	56	Yes
58		20191MEC0024	BHANUSH B SHETTY	SoE	90	30	No

Name of Course Instructor 1: Dr. Suman Paul  
Employee ID of Course Instructor 1: PUNIV00548

Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Hydrocarbon Assurance - A Research Implications
<b>Course Code</b>	: PET V006
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Dr. Deepjyoti Mech
<b>Course Instructor(s)</b>	: Dr. Deepjyoti Mech (Department of PET)

### Course Description:

The main aim of this course is to learn the operational problems related to flow assurance and recovery of hydrocarbon processes. This course involves understanding the flow assurance and recovery of hydrocarbons in the oil and gas industry. The flow assurance process may require a method to ensure the flow of oil and gas through pipelines, oil, and gas production equipment's to combat many problems such as gas hydrate formation, wax deposition, etc. to obtain the desired product from the beginning of the production of hydrocarbons. Also, hydrocarbon recovery plays a major role in producing sufficient energy either from conventional or unconventional sources. At the end of this course, student will be able to learn about the usage, working process and purpose about the hydrocarbon assurance.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: state the flow assurance and recovery of hydrocarbons from different sources,

CO2: identify the different types of problems and their solutions related to the flow assurance and recovery of hydrocarbons,

CO3: discuss different unconventional hydrocarbon sources,

CO4: explain new practices for hydrocarbon assurance through experimental approaches

### Course Content:

**Module 1: Introduction** - Flow assurance: Introduction, Gas hydrates formation, Wax deposition, etc. and Recoveries: EOR.

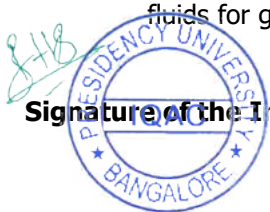
**Module 2: Common Practices for Hydrocarbon Assurance** - Flow assurance: Drilling fluid inhibitors, Thermodynamic and kinetic inhibitors for prevention gas hydrates, other problems, Recovery: different thermodynamic and kinetic promoters for gas hydrate formation, inhibitors for recovery of gas from hydrate reservoir, different surfactants for enhanced oil recovery.

**Module 3: Unconventional Hydrocarbon Sources** - Gas Hydrates: As energy resource, for flow assurance, Shale reservoir: production technique, other techniques.

**Module 4: New Practices for Hydrocarbon Assurance** - Flow assurance: Non-damaging drilling fluids for gas hydrates and shale formations, Recovery: Green surfactants.

Signature of the Instructor In-charge:

Signature of the HOD:




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**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V006 - Hydrocarbon Assurance - A Research Implications**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0005	AKSHAY S	20171PET0005@presidencyuniversity.in
2	20171PET0043	MD MUZAMMIL FARAZ	20171PET0043@presidencyuniversity.in
3	20171PET0071	VANDANA A	20171PET0071@presidencyuniversity.in
4	20171PET0080	S M SHARFUL ISLAM	20171PET0080@presidencyuniversity.in
5	20171PET0113	PATEL SHIVKUMAR	20171PET0113@presidencyuniversity.in
6	20191PET0012	FEROZ AHMED KHUDAVAND	20191PET0012@presidencyuniversity.in
7	20191PET0055	TANIYA K G	20191PET0055 @presidencyuniversity.in
8	20191PET0066	NARAYANA	20191PET0066 @presidencyuniversity.in
9	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	20191PET0032@presidencyuniversity.in

  
Instructor In-charge

  
HOD-PET



  
REGISTRAR  




**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

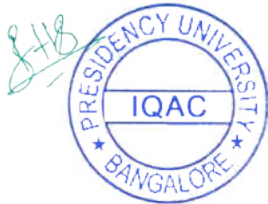
Course Code with Course Name: PET V006 -Hydrocarbon Assurance - A  
 Research Implications

Name of Instructor In-charge: Dr. Deepjyoti Mech

S. No.	Student ID No.	Student Name	8-Aug-20	8-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	Total classes conducted	Total classes attended	Percentage attended	
			2PM-3PM	3PM-4PM	5PM-6PM	6PM-7PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	3PM-4PM	3PM-4PM	30		
1	20171PET0005	AKSHAY S	1	A	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	26	86.67
2	20171PET0043	MD MUZAMMIL FARAZ	A	A	A	A	A	A	A	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	20	66.67
3	20171PET0071	VANDANA A	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	23	76.67
4	20171PET0080	S M SHARFUL ISLAM	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	A	30	24	80.00	
5	20171PET0113	PATEL SHIVKUMAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	27	90.00	
6	20191PET0012	FEROZ AHMED KHUDAVAND	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	25	83.33	
7	20191PET0055	TANIYA K G	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	A	30	10	33.33
8	20191PET0066	NARAYANA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0.00
9	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	A	A	A	A	A	1	A	1	1	1	A	1	1	1	1	a	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	21	70.00

*DMech*

Signature of Instructor In-charge



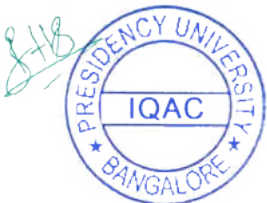
**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V006		Academic Year :		2020-2021		
Course Name :		Hydrocarbon Assurance - A Research Implications		Semester :		ODD		
				Instructor In-Charge Name :		Dr. Deepjyoti Mech		
				Instructor In-Charge Employee ID :		PUNIV00903		
S. No.	UID No.	Roll No.	Name	School SoE/SoL etc (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0005	AKSHAY S	SoE	87	72	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0043	MD MUZAMMIL FARAZ	SoE	67	69	Yes	
3		20171PET0071	VANDANA A	SoE	77	72	Yes	
4		20171PET0080	S M SHARFUL ISLAM	SoE	80	85	Yes	
5		20171PET0113	PATEL SHIVKUMAR	SoE	90	56	Yes	
6		20191PET0012	FEROZ AHMED KHUDAVAND	SoE	83	62	Yes	
7		20191PET0055	TANIYA K G	SoE	33	0	No	
8		20191PET0066	NARAYANA	SoE	0	0	No	
9		20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	SoE	70	36	No	

Name of Course Instructor 1: Dr. Deepjyoti Mech  
Employee ID of Course Instructor 1: PUNIV00903

*Dr. Mech*

Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Research Methodology
<b>Course Code</b>	: PET V007
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Dr. Kalpajit Hazarika
<b>Course Instructor(s)</b>	: Dr. Kalpajit Hazarika

### Course Description:

The main aim of this course is to understand the scientific framework utilized for the research. It will help to understand some basic concepts of research and its methodologies, identify appropriate research topics, select, and define appropriate research problem and parameters, prepare a project proposal (to undertake a project), organize and conduct research (advanced project) in a more appropriate manner, write a research report and thesis and write a research proposal (grants).

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: understand the need of research and its objective,
- CO2: identify the different types of research, Problem and Formulation,
- CO3: implement different tools / techniques for Research,
- CO4: Analyze and Interpret the research Data
- CO5: Utilize different software for paper writing

### Course Content:

**Module 1: Introduction** - Foundations of Research: Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory. Characteristics of scientific method – Understanding the language of research – Concept, Construct, Definition, Variable. Research Process

**Module 2: Research Design** - Concept and Importance in Research – Features of a good research design – Exploratory Research Design – concept, types and uses, Descriptive Research Designs – concept, types and uses. Experimental Design: Concept of Independent & Dependent variables.

**Module 3: Data Analysis** - Data Preparation – Univariate analysis (frequency tables, bar charts, pie charts, percentages), Bivariate analysis – Cross tabulations

**Module 4: Interpretation of Data and Paper Writing** - Interpretation of Data and Paper Writing – Layout of a Research Paper, Journals in Petroleum Engineering, Impact factor of Journals, When and where to publish? Ethical issues related to publishing, Plagiarism and Self-Plagiarism

**Module 5: Use of tools / techniques for Research** - Methods to search required information effectively, Reference Management Software, Software for paper formatting like LaTeX/MS Office, Software for detection of Plagiarism.

Signature of the Instructor In-charge:

*Kalpajit Hazarika*

Signature of the HOD:

*[Handwritten Signature]*

REGISTRAR  
*[Handwritten Signature]*  
REGISTRAR

**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V007 - Research Methodology**

S. No.	Student ID No.	Student Name	Login Id
1	20181PET0001	NUTCHA SUNHEM	20181PET0001@presidencyuniversity.in
2	20181PET0068	PRIYANKA SINGH	20181PET0068@presidencyuniversity.in
3	20181PET0072	RAHUL KUMAR DASH	20181PET0072@presidencyuniversity.in
4	20181PET0077	SADHANA B	20181PET0077@presidencyuniversity.in
5	20181PET0090	SYED MANJARUL ISLAM	20181PET0090@presidencyuniversity.in
6	20181PET0083	SHABEER AHMED	20181PET0083 @presidencyuniversity.in
7	20191PET0042	PRASHANTH R	20191PET0042@presidencyuniversity.in
8	20191IST0038	CHITHRA SHREE M N	20191IST0038 @presidencyuniversity.in

*Kalpanjit Hegarika*

Instructor In-charge

*Saul*

HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

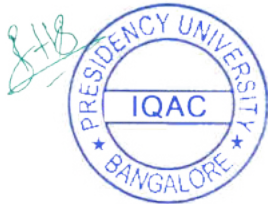
Course Code with Course Name: PET V007 - Research Methodology

Name of Instructor In-charge: Dr. Kalpajit Hazarika

S. No.	Student ID No.	Student Name	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	28-Nov-20	28-Nov-20	05-Dec-20	05-Dec-20	Total classes conducted	Total classes attended	Percentage attended
			1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM	1PM-2PM	2PM-3PM			
1	20181PET0001	NUTCHA SUNHEM	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33
2	20181PET0068	PRIYANKA SINGH	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	30	27	90.00
3	20181PET0072	RAHUL KUMAR DASH	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
4	20181PET0077	SADHANA B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	A	1	30	27	90.00
5	20181PET0090	SYED MANJARUL ISLAM	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	30	28	93.33	
6	20181PET0083	SHABEER AHMED	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	30	27	90.00
7	20191PET0042	PRASHANTH R	A	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
8	20191IST0038	CHITHRA SHREE M N	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	

*Kalpajit Hazarika*

Signature of Instructor In-charge



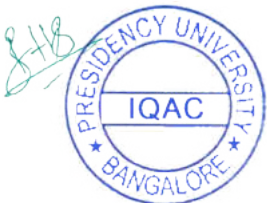
**Presidency University, Bengaluru**  
**Value Added Course Marksheets**  
**School of Engineering**

Course Code :		PET V007		Academic Year :		2020-2021		
Course Name :		Research Methodology		Semester :		ODD		
				Instructor In-Charge Name :		Dr. Kalpajit Hazarika		
				Instructor In-Charge Employee ID :		PUNIV01078		
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20181PET0001	NUTCHA SUNHEM	SoE	93	55	Yes	Students who secured minimum 50% marks and maintained minimum 60% attendance are made eligible for certificate.
2		20181PET0068	PRIYANKA SINGH	SoE	93	80	Yes	
3		20181PET0072	RAHUL KUMAR DASH	SoE	77	51	Yes	
4		20181PET0077	SADHANA B	SoE	83	64	Yes	
5		20181PET0090	SYED MANJARUL ISLAM	SoE	97	81	Yes	
6		20181PET0083	SHABEER AHMED	SoE	77	50	Yes	
7		20191PET0042	PRASHANTH R	SoE	77	52	Yes	
8		20191IST0038	CHITHRA SHREE M N	SoE	80	53	Yes	

Name of Course Instructor 1: Dr. Kalpajit Hazarika  
Employee ID of Course Instructor 1: PUNIV01078

*Kalpajit Hazarika*

Signature of Instructor In-charge







<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Drilling Fluids
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Development and Design of Drilling Fluid System for High Pressure High Temperature Well
<b>Course Code</b>	: PET V008
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Mr. Bhairab Jyoti Gogoi
<b>Course Instructor(s)</b>	: Mr. Bhairab Jyoti Gogoi

### Course Description:

This course is designed for Petroleum engineering students who aspire to be a Drilling fluid engineer or willing to do research on Drilling fluid. The course covers all aspects of drilling fluids technology for High Pressure and High Temperature (HPHT) well, emphasizing both theory and practical application. Many challenges were encountered while drilling a HPHT and to overcome these challenges we need coordination between different technologies and disciplines. Today's drilling personnel must have a working knowledge of the drilling fluid in order to effectively drill a HPHT well. The course provides the fundamentals necessary while designing a Drilling fluid system for HPHT well.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: Identify different problems associated with drilling fluid at elevated temperature and pressure
- CO2: List out the work done on High Pressure High temperature drilling fluid system
- CO3: Operate different equipments used for drilling fluid testing at elevated temperature
- CO4: Interpret the results obtained from different tests

### Course Content:

Introduction to High Pressure and High Temperature (HPHT) well, Classification of HPHT well, Wellbore condition of HPHT well, Rheological properties of Drilling fluid, Bingham plastic model, Power law models, Problems associated with drilling fluid at HPHT condition, Apparatus used to evaluate Drilling fluid properties at HPHT condition. Study on recent developments in HPHT drilling fluid system and rheological models, behavior study of clay particle at HPHT condition, stability of weighting materials, study on thermally stable polymers, heat, and temperature conductivity of drilling fluid at HPHT condition, study on different material stable at elevated temperature. Finding rheological properties of Drilling fluid using OFI Model 900 viscometer, Filtration loss properties of drilling fluid at HPHT condition using HPHT Filter Press, lubricity test using Extreme Pressure Lubricity tester, Loss circulation material tester, PH study, Reactive content measurement using Methylene Blue tester. Analysis of different results obtain, plotting graph and comparative study.

Signature of the Instructor In-charge:

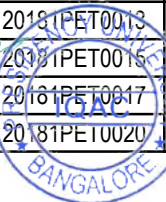
Signature of the HOD:

REGISTRAR

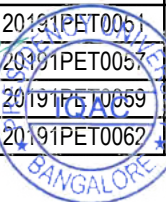
**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V008 - Development and Design of Drilling Fluid System for High Pressure High Temperature Well**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0001	AASHISH TYAGI	20171PET0001@presidencyuniversity.in
2	20171PET0004	AJAY GURUNG	20171PET0004@presidencyuniversity.in
3	20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	20171PET0007@presidencyuniversity.in
4	20171PET0008	ANOOP K S	20171PET0008@presidencyuniversity.in
5	20171PET0009	AUSHKA U N	20171PET0009@presidencyuniversity.in
6	20171PET0013	ARUN TJ	20171PET0013@presidencyuniversity.in
7	20171PET0016	ATHIRA C TOM	20171PET0016@presidencyuniversity.in
8	20171PET0024	ASHNA JOSE	20171PET0024@presidencyuniversity.in
9	20171PET0026	ELNO VINOBY	20171PET0026@presidencyuniversity.in
10	20171PET0035	K VISHWAJEET	20171PET0035@presidencyuniversity.in
11	20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	20171PET0036@presidencyuniversity.in
12	20171PET0040	LAYONA JOSEPH	20171PET0040@presidencyuniversity.in
13	20171PET0042	MARIAM SUSAN MATHEW	20171PET0042@presidencyuniversity.in
14	20171PET0044	MEGHA MOHANAN	20171PET0044@presidencyuniversity.in
15	20171PET0047	MOHAMMAD AFREED	20171PET0047@presidencyuniversity.in
16	20171PET0048	MOHAMMED AQUIB UR REHMAN	20171PET0048@presidencyuniversity.in
17	20171PET0049	MOHAMMED ASFA	20171PET0049@presidencyuniversity.in
18	20171PET0051	MOHAMMED RIYAN	20171PET0051@presidencyuniversity.in
19	20171PET0053	MOHAMMED SHAHBUDDIN	20171PET0053@presidencyuniversity.in
20	20171PET0055	MOHAMMED TASHFEEN KHAN	20171PET0055@presidencyuniversity.in
21	20171PET0057	MOHMAD AFZAL MOHMAD SIDIK	20171PET0057@presidencyuniversity.in
22	20171PET0068	PATEL RUSHABH BHARATBHAI	20171PET0068@presidencyuniversity.in
23	20171PET0073	RAHUL BENNY	20171PET0073@presidencyuniversity.in
24	20171PET0078	RISHABH RAJ	20171PET0078@presidencyuniversity.in
25	20171PET0079	ROMITH VIJAY KOLAPUR	20171PET0079@presidencyuniversity.in
26	20171PET0083	HUZAIF ALI	20171PET0083@presidencyuniversity.in
27	20171PET0088	SINGANAPALLI RUPESH KUMAR	20171PET0088@presidencyuniversity.in
28	20171PET0095	SUHAIR AHMED	20171PET0095@presidencyuniversity.in
29	20171PET0097	SYED SUHAIL AHMED F	20171PET0097@presidencyuniversity.in
30	20171PET0098	TANTUSREE BERA	20171PET0098@presidencyuniversity.in
31	20171PET0100	V JOSHUA IMMANUEL	20171PET0100@presidencyuniversity.in
32	20171PET0105	YADHUKRISHNAN K K	20171PET0105@presidencyuniversity.in
33	20171PET0112	G CHANDINI	20171PET0112@presidencyuniversity.in
34	20181PET0005	ABHISHEK S KRISHNA	20181PET0005@presidencyuniversity.in
35	20181PET0008	ALTAMISH AHMED PAKEER	20181PET0008@presidencyuniversity.in
36	20181PET0013	ASWIN S KUMAR	20181PET0013@presidencyuniversity.in
37	20181PET0015	AYAN ASSADI	20181PET0015@presidencyuniversity.in
38	20181PET0017	BOINA SATYA SAI VENKATA DURGA PAVAN KUMAR	20181PET0017@presidencyuniversity.in
39	20181PET0020	CHILLAPALLI BALAJI NIHANTH	20181PET0020@presidencyuniversity.in



40	20181PET0022	CHRIS HARRISE V T	20181PET0022@presidencyuniversity.in
41	20181PET0024	FAIZANULLA MEER	20181PET0024@presidencyuniversity.in
42	20181PET0026	GORANTLA NAGA GOKUL KRISHNA	20181PET0026@presidencyuniversity.in
43	20181PET0037	KOTTA SAI CHARAN	20181PET0037@presidencyuniversity.in
44	20181PET0039	KUPPALA SASIDHAR	20181PET0039@presidencyuniversity.in
45	20181PET0040	LIKHITHA D S	20181PET0040@presidencyuniversity.in
46	20181PET0045	MIDHUN JOHN SAM	20181PET0045@presidencyuniversity.in
47	20181PET0049	MOHAMMED AFSER	20181PET0049@presidencyuniversity.in
48	20181PET0055	MUHAMMED ARIF	20181PET0055@presidencyuniversity.in
49	20181PET0057	NBS MAHESH	20181PET0057@presidencyuniversity.in
50	20181PET0060	ABHINASH PALAGANI	20181PET0060@presidencyuniversity.in
51	20181PET0062	PARVEZ PASHA	20181PET0062@presidencyuniversity.in
52	20181PET0067	PRITTHA ROY CHOWDHURY	20181PET0067@presidencyuniversity.in
53	20181PET0076	S MOHAMMED MAASE	20181PET0076@presidencyuniversity.in
54	20181PET0079	SAMAYAMANTRI DHEERAJ SAIMANIKANTHA	20181PET0079@presidencyuniversity.in
55	20181PET0083	SHABEER AHMED	20181PET0083@presidencyuniversity.in
56	20181PET0089	SYED MAHEEN	20181PET0089@presidencyuniversity.in
57	20181PET0091	SYED RIFATHULLA	20181PET0091@presidencyuniversity.in
58	20181PET0096	SYED ZAIN	20181PET0096@presidencyuniversity.in
59	20181PET0098	TELLABATI THARUN VENKATA SAINATH	20181PET0098@presidencyuniversity.in
60	20181PET0106	YAMPARALA TULASI PANDURANGA PRIYATHAM	20181PET0106@presidencyuniversity.in
61	20181PET9003	MOHAMMED DANISH KAMAL	20181PET9003@presidencyuniversity.in
62	20181PET9007	IBRAHIM ALI BAIG MIRZA	20181PET9007@presidencyuniversity.in
63	20191PET0001	AHIL SHA MC	20191PET0001@presidencyuniversity.in
64	20191PET0002	AKASH S	20191PET0002@presidencyuniversity.in
65	20191PET0004	ASHWIN RAJ R	20191PET0004@presidencyuniversity.in
66	20191PET0005	ASWIN K S	20191PET0005@presidencyuniversity.in
67	20191PET0014	GANESH KUMAR POTHAN	20191PET0014@presidencyuniversity.in
68	20191PET0018	JESWIN JAVAD	20191PET0018@presidencyuniversity.in
69	20191PET0019	KADIRI LALITHA	20191PET0019@presidencyuniversity.in
70	20191PET0020	KOKEERAN P	20191PET0020@presidencyuniversity.in
71	20191PET0022	KUSHAL K	20191PET0022@presidencyuniversity.in
72	20191PET0023	M MOHAMED ALFIATH	20191PET0023@presidencyuniversity.in
73	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	20191PET0032@presidencyuniversity.in
74	20191PET0035	MOHAMMED UZMAIR M	20191PET0035@presidencyuniversity.in
75	20191PET0037	MOHD ZUBAIR	20191PET0037@presidencyuniversity.in
76	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	20191PET0040@presidencyuniversity.in
77	20191PET0041	P SUHAIL AHMED	20191PET0041@presidencyuniversity.in
78	20191PET0043	RISHU SINGH	20191PET0043@presidencyuniversity.in
79	20191PET0046	SAI DINESH M	20191PET0046@presidencyuniversity.in
80	20191PET0048	SAMEER MUHAMMED	20191PET0048@presidencyuniversity.in
81	20191PET0050	SHAIK GOUSPEER VALI	20191PET0050@presidencyuniversity.in
82	20191PET0051	SHAIK MUSTAK	20191PET0051@presidencyuniversity.in
83	20191PET0057	TAUSEEF NAZIR	20191PET0057@presidencyuniversity.in
84	20191PET0059	THOTA GUNA NAGA MURARI	20191PET0059@presidencyuniversity.in
85	20191PET0062	VEMULA PRASHANTH	20191PET0062@presidencyuniversity.in



86	20191PET0063	YADAVALI VENKAT	20191PET0063@presidencyuniversity.in
87	20191PET0066	G NARAYANA	20191PET0066@presidencyuniversity.in
88	20191PET0068	RIZWAN	20191PET0068@presidencyuniversity.in
89	20191PET9002	PILLI KALYAN KUMAR	20191PET9002@presidencyuniversity.in
90	20191PET9004	ANSTIN SUNNY	20191PET9004@presidencyuniversity.in
91	20191PET9006	SHABEER AHMAD	20191PET9006@presidencyuniversity.in
92	20191PET9007	JAFFAR SADIQ M	20191PET9007@presidencyuniversity.in
93	20191CCE0073	SYED SAQLAIN AHMED	20191CCE0073@presidencyuniversity.in
94	20191ECM0008	CHUKKA BHARATH KUMAR	20191ECM0008@presidencyuniversity.in
95	20191IST0066	KAMMALA HARSHAVARDHAN	20191IST0066@presidencyuniversity.in



Instructor In-charge



HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V008 - Development and Design of Drilling Fluid System for High Pressure High Temperature Well

Name of Instructor In-charge: Mr. Bhairab Jyoti Gogoi

S. No.	Student ID No.	Student Name	7-Aug-20	7-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	Total classes conducted	Total classes attended	Percentage attended		
			5PM-6PM	6PM-7PM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM			
1	20171PET0001	AASHISH TYAGI	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
2	20171PET0004	AJAY GURUNG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
3	20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
4	20171PET0008	ANOOP K S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	30	26	86.67	
5	20171PET0009	AUSHKA U N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
6	20171PET0013	ARUN TJ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
7	20171PET0016	ATHIRA C TOM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
8	20171PET0024	ASHNA JOSE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
9	20171PET0026	ELNO VINOBY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
10	20171PET0035	K VISHWAJEET	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
11	20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
12	20171PET0040	LAYONA JOSEPH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
13	20171PET0042	MARIAM SUSAN MATHEW	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
14	20171PET0044	MEGHA MOHANAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
15	20171PET0047	MOHAMMAD AFREED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	30	28	93.33		
16	20171PET0048	MOHAMMED AQUIB UR REHMAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	30	27	90.00	
17	20171PET0049	MOHAMMED ASFA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
18	20171PET0051	MOHAMMED RIYAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
19	20171PET0053	MOHAMMED SHAHBUDDIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
20	20171PET0055	MOHAMMED TASHFEEN KHAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	30	27	90.00	
21	20171PET0057	MOHAMMAD AFZAL MOHAMMAD SIDIK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
22	20171PET0068	PATEL RU SHABH BHARATBHAI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
23	20171PET0073	RAHUL BENNY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
24	20171PET0078	RISHABH RAJ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
25	20171PET0079	ROMITH VIJAY KOLAPUR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	30	27	90.00	
26	20171PET0083	HUZAIF ALI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	30	27	90.00

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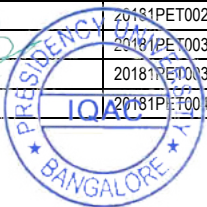






**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V008			Academic Year :			2020-2021	
Course Name :		Development and Design of Drilling Fluid System for High Pressure High Temperature Well			Semester :			ODD	
					Instructor In-Charge Name :			Mr. Bhairab Jyoti Gogoi	
					Instructor In-Charge Employee ID :			PUNIV00454	
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark	
1		20171PET0001	AASHISH TYAGI	SoE	90.00	35.00	No	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.	
2		20171PET0004	AJAY GURUNG	SoE	100.00	98.00	Yes		
3		20171PET0007	AMJAD NAJIB YAHYA MOHAMMED AL-DHARI	SoE	100.00	52.00	Yes		
4		20171PET0008	ANOOP K S	SoE	86.67	0.00	No		
5		20171PET0009	AUSHKA U N	SoE	100.00	94.00	Yes		
6		20171PET0013	ARUN TJ	SoE	100.00	88.50	Yes		
7		20171PET0016	ATHIRA C TOM	SoE	100.00	96.00	Yes		
8		20171PET0024	ASHNA JOSE	SoE	100.00	92.00	Yes		
9		20171PET0026	ELNO VINOBY	SoE	100.00	92.00	Yes		
10		20171PET0035	K VISHWAJEET	SoE	100.00	36.00	No		
11		20171PET0036	KADRI AZFARHAAD IFTEKHARAHMED	SoE	100.00	94.50	Yes		
12		20171PET0040	LAYONA JOSEPH	SoE	100.00	92.00	Yes		
13		20171PET0042	MARIAM SUSAN MATHEW	SoE	100.00	90.00	Yes		
14		20171PET0044	MEGHA MOHANAN	SoE	100.00	68.50	Yes		
15		20171PET0047	MOHAMMAD AFREED	SoE	93.33	0.00	No		
16		20171PET0048	MOHAMMED AQUIB UR REHMAN	SoE	90.00	0.00	No		
17		20171PET0049	MOHAMMED ASFA	SoE	100.00	40.00	No		
18		20171PET0051	MOHAMMED RIYAN	SoE	100.00	56.00	Yes		
19		20171PET0053	MOHAMMED SHAHBUDDIN	SoE	100.00	67.00	Yes		
20		20171PET0055	MOHAMMED TASHFEEN KHAN	SoE	90.00	12.00	No		
21		20171PET0057	MOHMAD AFZAL MOHMAD SIDIK	SoE	100.00	94.00	Yes		
22		20171PET0068	PATEL RUSHABH BHARATBHAI	SoE	100.00	87.50	Yes		
23		20171PET0073	RAHUL BENNY	SoE	100.00	84.00	Yes		
24		20171PET0078	RISHABH RAJ	SoE	100.00	90.00	Yes		
25		20171PET0079	ROMITH VIJAY KOLAPUR	SoE	90.00	20.00	No		
26		20171PET0083	HUZAIF ALI	SoE	90.00	0.00	No		
27		20171PET0088	SINGANAPALLI RUPESH KUMAR	SoE	86.67	0.00	No		
28		20171PET0095	SUHAIR AHMED	SoE	96.67	0.00	No		
29		20171PET0097	SYED SUHAIL AHMED F	SoE	100.00	28.00	No		
30		20171PET0098	TANTUSREE BERA	SoE	100.00	92.50	Yes		
31		20171PET0100	V JOSHUA IMMANUEL	SoE	93.33	0.00	No		
32		20171PET0105	YADHUKRISHNAN K K	SoE	100.00	89.00	Yes		
33		20171PET0112	G CHANDINI	SoE	100.00	78.00	Yes		
34		20181PET0005	ABHISHEK S KRISHNA	SoE	83.33	12.00	No		
35		20181PET0008	ALTAMISH AHMED PAKEER	SoE	100.00	24.00	No		
36		20181PET0013	ASWIN S KUMAR	SoE	100.00	0.00	No		
37		20181PET0015	AYAN ASSADI	SoE	100.00	28.00	No		
38		20181PET0017	BOINA SATYA SAI VENKATA DURGA PAVAN KUMAR	SoE	100.00	36.00	No		
39		20181PET0020	CHILLAPALLI BALAJI NIHANTH	SoE	100.00	32.00	No		
40		20181PET0022	CHRIS HARRISE V T	SoE	76.67	0.00	No		
41		20181PET0024	FAIZANULLA MEER	SoE	100.00	48.00	No		
42		20181PET0026	GORANTLA NAGA GOKUL KRISHNA	SoE	100.00	87.00	Yes		
43		20181PET0037	KOTTA SAI CHARAN	SoE	100.00	71.50	Yes		
44		20181PET0039	KUPPALA SASIDHAR	SoE	100.00	95.50	Yes		
45		20181PET0040	LIKHITHA D S	SoE	100.00	79.50	Yes		



46		20181PET0045	MIDHUN JOHN SAM	SoE	73.33	0.00	No
47		20181PET0049	MOHAMMED AFSER	SoE	66.67	0.00	No
48		20181PET0055	MUHAMMED ARIF	SoE	76.67	0.00	No
49		20181PET0057	NBS MAHESH	SoE	100.00	68.00	Yes
50		20181PET0060	ABHINASH PALAGANI	SoE	100.00	92.50	Yes
51		20181PET0062	PARVEZ PASHA	SoE	90.00	0.00	No
52		20181PET0067	PRITTHA ROY CHOWDHURY	SoE	100.00	91.00	Yes
53		20181PET0076	S MOHAMMED MAASE	SoE	100.00	89.00	Yes
54		20181PET0079	SAMAYAMANTRI DHEERAJ SAIMANIKANTHA	SoE	100.00	92.50	Yes
55		20181PET0083	SHABEER AHMED	SoE	0.00	0.00	No
56		20181PET0089	SYED MAHEEN	SoE	90.00	0.00	No
57		20181PET0091	SYED RIFATHULLA	SoE	100.00	32.00	No
58		20181PET0096	SYED ZAIN	SoE	100.00	28.00	No
59		20181PET0098	TELLABATI THARUN VENKATA SAINATH	SoE	100.00	52.00	Yes
60		20181PET106	YAMPARALA TULASI PANDURANGA PRIYATHAM	SoE	100.00	52.00	Yes
61		20181PET9003	MOHAMMED DANISH KAMAL	SoE	86.67	0.00	No
62		20181PET9007	IBRAHIM ALI BAIG MIRZA	SoE	100.00	52.00	Yes
63		20191PET0001	AHIL SHA MC	SoE	100.00	28.00	No
64		20191PET0002	AKASH S	SoE	100.00	75.50	Yes
65		20191PET0004	ASHWIN RAJ R	SoE	100.00	35.50	No
66		20191PET0005	ASWIN K S	SoE	0.00	0.00	No
67		20191PET0014	GANESH KUMAR POTHAN	SoE	100.00	62.00	Yes
68		20191PET0018	JESWIN JAVAD	SoE	100.00	58.50	Yes
69		20191PET0019	KADIRI LALITHA	SoE	100.00	83.00	Yes
70		20191PET0020	KOKEERAN P	SoE	0.00	0.00	No
71		20191PET0022	KUSHAL K	SoE	100.00	56.50	Yes
72		20191PET0023	M MOHAMED ALFIATH	SoE	100.00	84.50	Yes
73		20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	SoE	0.00	0.00	No
74		20191PET0035	MOHAMMED UZMAIR M	SoE	100.00	56.50	Yes
75		20191PET0037	MOHD ZUBAIR	SoE	100.00	68.50	Yes
76		20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	SoE	100.00	32.00	No
77		20191PET0041	P SUHAIL AHMED	SoE	100.00	94.00	Yes
78		20191PET0043	RISHU SINGH	SoE	100.00	38.00	No
79		20191PET0046	SAI DINESH M	SoE	100.00	40.00	No
80		20191PET0048	SAMEER MUHAMMED	SoE	100.00	94.00	Yes
81		20191PET0050	SHAIK GOUSPEER VALI	SoE	0.00	0.00	No
82		20191PET0051	SHAIK MUSTAK	SoE	100.00	16.00	No
83		20191PET0057	TAUSEEF NAZIR	SoE	100.00	83.00	Yes
84		20191PET0059	THOTA GUNA NAGA MURARI	SoE	100.00	0.00	No
85		20191PET0062	VEMULA PRASHANTH	SoE	100.00	35.50	No
86		20191PET0063	YADAVALI VENKAT	SoE	26.67	0.00	No
87		20191PET0066	G NARAYANA	SoE	0.00	0.00	No
88		20191PET0068	RIZWAN	SoE	100.00	44.00	No
89		20191PET9002	PILLI KALYAN KUMAR	SoE	100.00	40.00	No
90		20191PET9004	ANSTIN SUNNY	SoE	100.00	55.50	Yes
91		20191PET9006	SHABEER AHMAD	SoE	0.00	0.00	No
92		20191PET9007	JAFFAR SADIQ M	SoE	0.00	0.00	No
93		20191CCE0073	SYED SAQLAIN AHMED	SoE	0.00	0.00	No
94		20191ECM0008	CHUKKA BHARATH KUMAR	SoE	0.00	0.00	No
95		20191IST0066	KAMMALA HARSHAVARDHAN	SoE	0.00	0.00	No

Name of Course Instructor 1: Mr. Bhairab Jyoti Gogoi  
Employee ID of Course Instructor 1: PUNIV00454



Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Data Analysis
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: New Age Writing Skills
<b>Course Code</b>	: PET V009
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Mr. Indraneel Agasty
<b>Course Instructor(s)</b>	: Mr. Indraneel Agasty

### Course Description:

The course aims to introduce the students to skills applicable to the modern writing scene. These include blog writing, slam poetry, political and technical reports, listicles, spoken word poetry, letters to editors and report making. Such skills always help students in a modern work environment which demands an inter-disciplinary skill set as well as in free lancing jobs to showcase oneself to the target audience.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Manage a proper blog

CO2: Write political and current affairs letters to editors

CO3: Apply the use of listicles

CO4: Analyze the importance of writing skills in public speaking

### Course Content:

**Module 1: Blog Writing** - What is a blog, differences with news and media sites, Specific blog and article, Building a narrative, Search Engine Optimization

**Module 2: Formal Report Writing** - Fact analysis, back ground study, response, Formalities

**Module 3: Listicles** - Appeal of listicles to modern audience, Buzzfeed, growing prominence, factors involved

**Module 4: Writing to Speak** -Public speaking skills, Importance of written material, building writing to enhance public speaking skills, slam and spoken word poetry

Signature of the Instructor In-charge:

Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

<b>VAC Student List: PET V009 - New Age Writing Skills</b>			
<b>S. No.</b>	<b>Student ID No.</b>	<b>Student Name</b>	<b>Login Id</b>
1	20171PET0051	MOHAMMED RIYAN	20171PET0051@presidencyuniversity.in
2	20171PET0099	UTKARSHA KAKOTY	20171PET0099@presidencyuniversity.in
3	20171PET0100	V JOSHUA IMMANUEL	20171PET0100@presidencyuniversity.in
4	20181PET0048	MOHAMED AHMED	20181PET0048@presidencyuniversity.in
5	20181PET0068	PRIYANKA SINGH	20181PET0068@presidencyuniversity.in
6	20181PET0072	RAHUL KUMAR DASH	20181PET0072@presidencyuniversity.in
7	20181PET0086	SHWETHA G	20181PET0086@presidencyuniversity.in



Instructor In-charge



HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

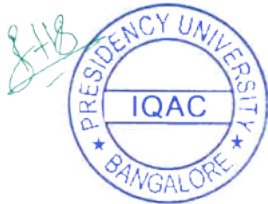
Course Code with Course Name: PET V009 - New Age Writing Skills

Name of Instructor In-charge: Mr. Indraneel Agasty

S. No.	Student ID No.	Student Name	8-Aug-20	8-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended	
			2PM-3PM	3PM-4PM	5PM-6PM	6PM-7PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM				
1	20171PET0051	MOHAMMED RIYAN	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	30	25	83.33
2	20171PET0099	UTKARSHA KAKOTY	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
3	20171PET0100	V JOSHUA IMMANUEL	1	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	30	26	86.67
4	20181PET0048	MOHAMED AHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	30	28	93.33
5	20181PET0068	PRIYANKA SINGH	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
6	20181PET0072	RAHUL KUMAR DASH	1	1	1	1	1	1	1	1	1	1	1	1	1	a	A	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	30	25	83.33
7	20181PET0086	SHWETHA G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	30	28	93.33



Signature of Instructor In-charge



**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V009		Academic Year :			2020-2021	
Course Name :		New Age Writing Skills		Semester :			ODD	
				Instructor In-Charge Name :			Mr. Indraneel Agasty	
				Instructor In-Charge Employee ID :			PUNIV00898	
S. No.	UID No.	Roll No.	Name	School School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0051	MOHAMMED RIYAN	SoE	83	86	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0099	UTKARSHA KAKOTY	SoE	90	67	Yes	
3		20171PET0100	V JOSHUA IMMANUEL	SoE	87	80	Yes	
4		20181PET0048	MOHAMED AHMED	SoE	93	50	Yes	
5		20181PET0068	PRIYANKA SINGH	SoE	87	94	Yes	
6		20181PET0072	RAHUL KUMAR DASH	SoE	83	71	Yes	
7		20181PET0086	SHWETHA G	SoE	93	19	No	

Name of Course Instructor: Mr. Indraneel Agasty  
Employee ID of Course Instructor: PUNIV00898

Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Refining (Downstream)
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Introduction to Distillation Column Design
<b>Course Code</b>	: PET V010
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Mr. Ankur Neog
<b>Course Instructor(s)</b>	: Mr. Ankur Neog (Department of PET)

### Course Description:

This course gives particular emphasis on the design aspect of the distillation column and the problems that occur and how to solve them. It provides an opportunity to develop a working knowledge of key techniques that can promote trouble-free operation and reduce distillation cost.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Explain the basic concepts of Distillation.

CO2: Classify the different types of distillation Column.

CO3: Solve the different types of distillation Column Problems.

CO4: Recognize the different types of distillation problems.

### Course Content:

**Module 1: Introduction to Distillation** - Definition, Types of distillation, Non-reactive distillation, and its classification, Phase equilibria for a single component, Phase equilibria for two components.

**Module 2: Types of Distillation Columns** - Types of distillation columns- Batch distillation, Continuous distillation, Stripping and rectifying columns, Types of column internals- Bubble caps, Sieve trays, Valve trays, Random packing, Structured packing.

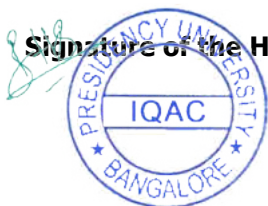
**Module 3: Modelling of Distillation Column** - Modelling at steady state (static behaviour) - Rectifying section operating line, stripping section operating line, Feed stage consideration.

**Module 4: Distillation Column Troubleshooting** - General appraisal of problems, Problems of the column, Problems outside the column, Auxillary equipment.

Signature of the Instructor In-charge:



Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V010 - Introduction to Distillation Column Design**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0038	KARTHIK M G	20171PET0038@presidencyuniversity.in
2	20171PET0040	LAYONA JOSEPH	20171PET0040@presidencyuniversity.in
3	20171PET0045	MELVIN ALEX	20171PET0045@presidencyuniversity.in



Instructor In-charge



HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

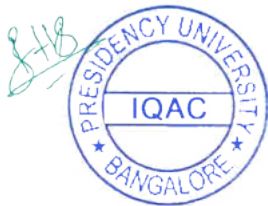
Course Code with Course Name: PET V010 - Distillation Column Design

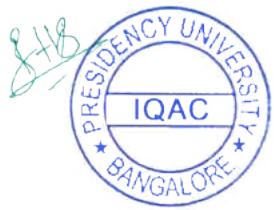
Name of Instructor In-charge: Mr. Ankur Neog

S. No.	Student ID No.	Student Name	7-Aug-20	7-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	Total classes conducted	Total classes attended	Percentage attended			
			9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM				
1	20171PET0038	KARTHIK M G	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
2	20171PET0040	LAYONA JOSEPH	1	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
3	20171PET0045	MELVIN ALEX	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33



Signature of Instructor In-charge





**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V010		Academic Year :			2020-2021	
Course Name :		Introduction to Distillation Column Design			Semester :		ODD	
					Instructor In-Charge Name :		Mr. Ankur Neog	
					Instructor In-Charge Employee ID :		PUNIV01084	
S. No.	UID No.	Roll No.	Name	School School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0038	KARTHIK M G	SoE	90	84	Yes	Students who secured minimum 50% marks and maintained minimum 60% attendance are made eligible for certificate.
2		20171PET0040	LAYONA JOSEPH	SoE	87	86	Yes	
3		20171PET0045	MELVIN ALEX	SoE	93	87	Yes	

Name of Course Instructor 1: Mr. Ankur Neog  
Employee ID of Course Instructor 1: PUNIV01084



Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Aptitude and Reasoning
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Excel for Mathematics
<b>Course Code</b>	: PET V011
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Mr. Sugat Srivastava
<b>Course Instructor(s)</b>	: Mr. Sugat Srivastava (Department of PET)

### Course Description:

The purpose of this course is to understand the use of excel for general aptitude and reasoning. The overall theme of the course is to emphasize the different tools used in excel and how it helpful for data collection and data management.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: Use different tools in excel,
- CO2: Manage different data in excel,
- CO3: Calculate different mathematical problems using excel,

### Course Content:

Topics include excel file creation, data input, mathematical formulas: sum, average, multiplication, division. Lookup function, indexing, reference, pivot table, excel wizard: graph, bar diagram, pie chart.

Signature of the Instructor In-charge:

Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

<b>VAC Student List: PET V011 - Excel for Mathematics</b>			
<b>S. No.</b>	<b>Student ID No.</b>	<b>Student Name</b>	<b>Login Id</b>
1	20171PET0001	AASHISH TYAGI	20171PET0001@presidencyuniversity.in
2	20171PET0005	AKSHAY S	20171PET0005@presidencyuniversity.in
3	20171PET0009	ANUSHKA U N	20171PET0009 @presidencyuniversity.in
4	20171PET0015	ASIM KHAN	20171PET0015 @presidencyuniversity.in
5	20171PET0020	BALKRISHNA M MOTTANAVAR	20171PET0020 @presidencyuniversity.in
6	20171PET0032	JAALESH K S	20171PET0032 @presidencyuniversity.in
7	20171PET0042	MARIAM SUSAN MATHEW	20171PET0042 @presidencyuniversity.in
8	20171PET0043	MD MUZAMMIL FARAZ	20171PET0043 @presidencyuniversity.in
9	20171PET0045	MELVIN ALEX	20171PET0045 @presidencyuniversity.in
10	20171PET0065	NIKITH B	20171PET0065 @presidencyuniversity.in
11	20171PET0070	PRAJWAL N SUVARNA	20171PET0070 @presidencyuniversity.in
12	20171PET0099	UTKARSHA KAKOTY	20171PET0099 @presidencyuniversity.in
13	20171PET0102	V SAI CHARAN	20171PET0102 @presidencyuniversity.in
14	20171PET0103	VISMAYA SUDHEER	20171PET0103 @presidencyuniversity.in
15	20171PET0107	PRITHVI NIMBALKAR	20171PET0107 @presidencyuniversity.in
16	20171PET0112	G CHANDINI	20171PET0112 @presidencyuniversity.in
17	20171PET9003	YADUPAL K V	20171PET9003 @presidencyuniversity.in
18	20171PET9013	MUSHFIQ	20171PET9013 @presidencyuniversity.in
19	20181PET0035	KISHAN KUMAR	20181PET0035 @presidencyuniversity.in
20	20181PET0045	MIDHUN JOHN SAM	20181PET0045 @presidencyuniversity.in
21	20181PET0048	MOHAMED AHMED	20181PET0048 @presidencyuniversity.in
22	20181PET0050	MOHAMMED AMAN FAHAD	20181PET0050 @presidencyuniversity.in
23	20181PET0066	PRISTON LAWRANCE LEWIS	20181PET0066 @presidencyuniversity.in
24	20181PET0078	SAHANA K	20181PET0078 @presidencyuniversity.in
25	20181PET0082	SANIVARAPU VENKATESWARA REDDY	20181PET0082 @presidencyuniversity.in
26	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	20181PET0101 @presidencyuniversity.in
27	20191PET0009	C S NISHANT	20191PET0009 @presidencyuniversity.in
28	20191PET0012	FEROZ AHMED KHUDAVAND	20191PET0012 @presidencyuniversity.in
29	20191PET0013	FIROZA SHEIKH	20191PET0013 @presidencyuniversity.in
30	20191PET0019	KADIRI LALITHA	20191PET0019 @presidencyuniversity.in
31	20191PET0062	VEMULA PRASHANTH	20191PET0062 @presidencyuniversity.in
32	20171ECE0349	YASHASWINI SINGARI	20171ECE0349 @presidencyuniversity.in



*Sugat*  
**Instructor In-charge**

*Fauk*  
**HOD-PET**

*Sanne*  
**REGISTRAR**



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**


**VAC Details:**

Duration: 30 Hours

Course Code with Course Name: PET V011 - Excel for Mathematics

Name of Instructor In-charge: Mr. Sugat Srivastava

S. No.	Student ID No.	Student Name	8-Aug-20	8-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended			
			2PM-3PM	3PM-4PM	5PM-6PM	6PM-7PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM				
1	20171PET0001	AASHISH TYAGI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67		
2	20171PET0005	AKSHAY S	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	30	25	83.33		
3	20171PET0009	ANUSHKA U N	1	1	1	1	1	1	1	A	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67		
4	20171PET0015	ASIM KHAN	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	A	1	a	1	A	1	1	A	30	23	76.67			
5	20171PET0020	BALKRISHNA M MOTTANAVAR	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00		
6	20171PET0032	JAALESH K S	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33		
7	20171PET0042	MARIAM SUSAN MATHEW	1	A	1	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67		
8	20171PET0043	MD MUZAMMIL FARAZ	1	1	1	1	A	1	A	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	30	24	80.00		
9	20171PET0045	MELVIN ALEX	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	A	1	1	30	28	93.33	
10	20171PET0065	NIKITH B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	30	29	96.67	
11	20171PET0070	PRAJWAL N SUVARNA	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	A	1	A	1	1	1	30	25	83.33	
12	20171PET0099	UTKARSHA KAKOTY	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	30	27	90.00		
13	20171PET0102	V SAI CHARAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	30	29	96.67		
14	20171PET0103	VISMAYA SUDHEER	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	30	27	90.00	
15	20171PET0107	PRITHVI NIMBALKAR	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
16	20171PET0112	G CHANDINI	1	1	1	A	1	1	1	1	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	1	1	1	1	30	25	83.33	
17	20171PET9003	YADUPAL K V	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	A	1	30	27	90.00	
18	20171PET9013	MUSHFIQ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	A	1	1	1	30	27	90.00	
19	20181PET0035	KISHAN KUMAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	28	93.33	
20	20181PET0045	MIDHUN JOHN SAM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	30	27	90.00	
21	20181PET0048	MOHAMMED AHMED	1	1	1	1	1	1	A	1	1	1	1	A	1	A	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83.33	
22	20181PET0050	MOHAMMED AMAN FAHAD	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
23	20181PET0066	PRISTON LAWRANCE LEWIS	1	1	1	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
24	20181PET0078	SAHANA K	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	96.67	
25	20181PET0062	SANJIVARAPU VENKATESWARA REDDY	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00	
26	20181PET0101	UMMAISETTY NAGA DURGA CHAITANYA	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83.33	
27	20181PET0009	C S NISHANT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	A	1	A	1	1	1	1	1	1	30	27	90.00	
28	20191PET0012	FEROZ AHMED KHUDAVAND	1	1	1	A	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	A	1	1	30	23	76.67

REGISTRAR  
  
 REGISTRAR



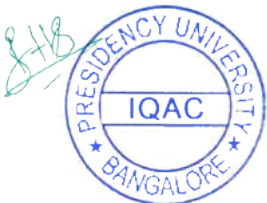
**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V011		Academic Year :		2020-2021		
Course Name :		Excel for Mathematics		Semester :		ODD		
				Instructor In-Charge Name :		Mr. Sugat Srivastava		
				Instructor In-Charge Employee ID :		PUNIV01135		
S. No.	UID No.	Roll No.	Name	School School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0001	AASHISH TYAGI	SoE	86.67	84	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0005	AKSHAY S	SoE	83.33	100	Yes	
3		20171PET0009	ANUSHKA U N	SoE	86.67	71	Yes	
4		20171PET0015	ASIM KHAN	SoE	76.67	80	Yes	
5		20171PET0020	BALKRISHNA M MOTTANAVAR	SoE	80.00	73	Yes	
6		20171PET0032	JAALESH K S	SoE	93.33	68	Yes	
7		20171PET0042	MARIAM SUSAN MATHEW	SoE	86.67	81	Yes	
8		20171PET0043	MD MUZAMMIL FARAZ	SoE	80.00	72	Yes	
9		20171PET0045	MELVIN ALEX	SoE	93.33	65	Yes	
10		20171PET0065	NIKITH B	SoE	96.67	93	Yes	
11		20171PET0070	PRAJWAL N SUVARNA	SoE	83.33	81	Yes	
12		20171PET0099	UTKARSHA KAKOTY	SoE	90.00	92	Yes	
13		20171PET0102	V SAI CHARAN	SoE	96.67	69	Yes	
14		20171PET0103	VISMAYA SUDHEER	SoE	90.00	95	Yes	
15		20171PET0107	PRITHVI NIMBALKAR	SoE	93.33	75	Yes	
16		20171PET0112	G CHANDINI	SoE	83.33	76	Yes	
17		20171PET9003	YADUPAL K V	SoE	90.00	65	Yes	
18		20171PET9013	MUSHFIQ	SoE	90.00	71	Yes	
19		20181PET0035	KISHAN KUMAR	SoE	93.33	71	Yes	
20		20181PET0045	MIDHUN JOHN SAM	SoE	90.00	75	Yes	
21		20181PET0048	MOHAMED AHMED	SoE	83.33	81	Yes	
22		20181PET0050	MOHAMMED AMAN FAHAD	SoE	86.67	65	Yes	
23		20181PET0066	PRISTON LAWRANCE LEWIS	SoE	90.00	98	Yes	
24		20181PET0078	SAHANA K	SoE	96.67	80	Yes	
25		20181PET0082	SANIVARAPU VENKATESWARA REDDY	SoE	90.00	97	Yes	
26		20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	SoE	83.33	81	Yes	
27		20191PET0009	C S NISHANT	SoE	90.00	72	Yes	
28		20191PET0012	FEROZ AHMED KHUDEVAND	SoE	76.67	95	Yes	
29		20191PET0013	FIROZA SHEIKH	SoE	96.67	77	Yes	
30		20191PET0019	KADIRI LALITHA	SoE	93.33	82	Yes	
31		20191PET0062	VEMULA PRASHANTH	SoE	83.33	89	Yes	
32		20171ECE0349	YASHASWINI SINGARI	SoE	90.00	66	Yes	

Name of Course Instructor 1: Mr. Sugat Srivastava  
Employee ID of Course Instructor 1: PUNIV01135

*Sugat*

Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Drilling
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Well Control and Completion
<b>Course Code</b>	: PET V012
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Mr. Anmol Bhargava
<b>Course Instructor(s)</b>	: Mr. Anmol Bhargava (Department of PET)

### Course Description:

The goal of the course is to provide an insight into the planning and execution of a modern drilling operation. This course gives an overview of the well construction process, hence students shall be able to design surface and subsurface components during drilling operations as per the requirements. Through conceptual and detailed engineering design calculations involved in planning a well, an attempt has been made to develop analytical skills of the students.

### Course Outcomes (COs):

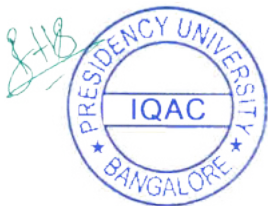
- On successful completion of the course, the student shall be able to:
- CO1: Review of Drilling Operations,
  - CO2: Summarize well control equipment and well control methods,
  - CO3: Discuss about the drilling fluid system, practical rig hydraulics,
  - CO4: Outline well costing methods

### Course Content:

Topics include Introduction to origin and representation of pore pressures and fracture pressures, Origin, prediction and detection of abnormal pressures, Drilling problems associated with abnormal pressures, Prediction and confirmation of formation fracture pressures, Principles of primary & secondary well control, Warning signs of kicks, Well killing procedures, BOP equipment and BOP stack arrangements.

Signature of the Instructor In-charge:

Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V012 - Well Control and Completion**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0003	ABHISHEK P K	20171PET0003@presidencyuniversity.in
2	20171PET0006	ALAN THOMAS JACOB	20171PET0006@presidencyuniversity.in
3	20171PET0008	ANOOP K S	20171PET0008@presidencyuniversity.in
4	20171PET0021	BHAVANA N	20171PET0021@presidencyuniversity.in
5	20171PET0038	KARTHIK M G	20171PET0038@presidencyuniversity.in
6	20171PET0055	MOHAMMED TASHFEEN KHAN	20171PET0055@presidencyuniversity.in
7	20171PET0082	SARANG SURENDRAN	20171PET0082@presidencyuniversity.in
8	20171PET0092	SREEHARI P	20171PET0092@presidencyuniversity.in
9	20171PET0097	SYED SUHAIL AHMED F	20171PET0097@presidencyuniversity.in
10	20171PET0102	V SAI CHARAN	20171PET0102@presidencyuniversity.in
11	20171PET0109	RISHIN FARAS T P	20171PET0109@presidencyuniversity.in
12	20171PET0110	MUHAS K T	20171PET0110@presidencyuniversity.in
13	20181PET0005	ABHISHEK S KRISHNA	20181PET0005@presidencyuniversity.in
14	20181PET0008	ALTAMISH AHMED PAKEER	20181PET0008@presidencyuniversity.in
15	20181PET0027	GUNA K	20181PET0027@presidencyuniversity.in
16	20181PET0035	KISHAN KUMAR	20181PET0035@presidencyuniversity.in
17	20181PET0049	MOHAMMED AFSER M I	20181PET0049@presidencyuniversity.in
18	20181PET0060	PALAGANI ABHINASH	20181PET0060@presidencyuniversity.in
19	20181PET0066	PRISTON LAWRENCE LEWIS	20181PET0066@presidencyuniversity.in
20	20181PET0067	PRITTHA ROY CHOWDHURY	20181PET0067@presidencyuniversity.in
21	20181PET0091	SYED RIFATHULLA	20181PET0091@presidencyuniversity.in
22	20181PET0092	SYED RIYAAN ARSHAD A	20181PET0092@presidencyuniversity.in
23	20181PET0094	SYED SUFYAAN Z	20181PET0094@presidencyuniversity.in
24	20181PET9003	MOHAMMED DANISH KAMAL	20181PET9003@presidencyuniversity.in
25	20191ISE0188	USHA SHREE S	20191ISE0188 @presidencyuniversity.in
26	20191PET0009	C S NISHANT	20191PET0009@presidencyuniversity.in
27	20191PET0010	ELGIN PAUL	20191PET0010@presidencyuniversity.in
28	20191PET0013	FIROZA SHEIKH	20191PET0013@presidencyuniversity.in
29	20191PET0014	GANESH KUMAR POTHAN	20191PET0014@presidencyuniversity.in
30	20191PET0018	JESWIN JAVAD	20191PET0018@presidencyuniversity.in
31	20191PET0023	M MOHAMED ALFIATH	20191PET0023@presidencyuniversity.in
32	20191PET0027	MOHAMED SUHAIL	20191PET0027@presidencyuniversity.in
33	20191PET0035	MOHAMMED UZMAIR M	20191PET0035@presidencyuniversity.in
34	20191PET0056	TARUN KUMAR A	20191PET0056@presidencyuniversity.in



*Amud*  
**Instructor In-charge**

*Paul*  
**HOD-PET**

*Sanu*  
**REGISTRAR**

Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

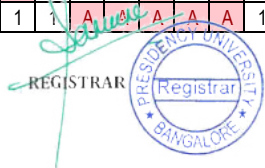
VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V012 Well Control and Completion

Name of Instructor In-charge: Mr. Anmol Bhargava

S. No.	Student ID No.	Student Name	1-Aug-20	1-Aug-20	14-Aug-20	14-Aug-20	22-Aug-20	22-Aug-20	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	03-Oct-20	03-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	31-Oct-20	31-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended		
			2PM-3PM	3PM-4PM	5PM-6PM	6PM-7PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM	2PM-3PM	3PM-4PM					
1	20171PET0003	ABHISHEK P K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	A	1	1	1	30	26	86.67	
2	20171PET0006	ALAN THOMAS JACOB	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	30	25	83.33	
3	20171PET0008	ANOOP K S	1	1	1	1	1	1	1	A	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
4	20171PET0021	BHAVANA N	A	1	1	A	A	1	A	A	1	A	1	A	A	A	A	A	A	A	A	1	1	1	A	1	A	1	A	A	A	A	30	10	33.33		
5	20171PET0038	KARTHIK M G	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00	
6	20171PET0055	MOHAMMED TASHFEEN KHAN	1	A	A	A	1	1	A	A	A	A	1	1	A	A	A	1	1	1	1	A	A	1	1	A	A	1	1	1	1	1	1	30	13	43.33	
7	20171PET0082	SARANG SURENDRAN	1	A	1	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67	
8	20171PET0092	SREEHARI P	1	1	1	1	A	1	A	1	1	1	1	1	A	1	A	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	30	24	80.00	
9	20171PET0097	SYED SUHAIL AHMED F	1	A	1	A	1	1	1	A	A	A	A	1	1	1	A	A	A	1	1	A	A	1	A	1	A	A	A	A	1	1	1	30	14	46.67	
10	20171PET0102	V SAI CHARAN	1	A	1	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	1	1	A	1	1	1	1	1	A	1	A	1	31	22	70.97	
11	20171PET0109	RISHIN FARAS T P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	A	1	1	1	32	26	81.25	
12	20171PET0110	MUHAS K T	1	1	1	1	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	A	1	1	1	1	1	A	1	A	1	33	24	72.73	
13	20181PET0005	ABHISHEK S KRISHNA	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	A	1	A	1	1	30	25	83.33
14	20181PET0008	ALTAMISH AHMED PAKEER	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	30	27	90.00
15	20181PET0027	GUNA K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	30	29	96.67
16	20181PET0035	KISHAN KUMAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0.00
17	20181PET0049	MOHAMMED AFSEER M I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0.00
18	20181PET0060	PALAGANI ABHINASH	1	1	1	A	1	1	1	1	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	1	1	30	25	83.33
19	20181PET0066	PRISTON LAWRANCE LEWIS	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
20	20181PET0067	PRITHA ROY CHOWDHURY	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	30	26	86.67
21	20181PET0091	SYED R FATHULLA	A	1	A	A	A	A	1	A	1	A	A	1	A	A	A	A	A	1	A	A	1	A	A	A	A	A	1	1	1	1	1	A	30	9	30.00
22	20181PET0092	SYED R YAAN ARSHAD A	A	1	1	A	1	A	1	A	1	A	1	1	1	A	1	A	A	A	A	A	1	A	1	1	A	A	A	A	A	A	A	30	12	40.00	
23	20181PET0094	SYED SUFYAAN Z	A	1	1	A	1	1	A	A	1	A	1	A	1	A	A	1	A	A	A	A	A	A	A	1	A	1	A	1	A	A	1	1	30	13	43.33
24	20181PET0003	MOHAMMED DANISH KAMAL	1	A	1	A	1	1	A	A	1	A	1	1	1	A	1	A	1	A	1	A	A	A	A	1	1	1	1	A	A	1	1	1	30	16	53.33
25	20191ISE0189	USHA SHREE S	A	1	A	1	1	A	A	A	1	1	1	1	A	A	A	1	1	1	1	A	A	1	A	A	1	1	1	A	A	1	1	1	30	13	43.33







**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V012		Academic Year :		2020-2021		
Course Name :		Well Control and Completion		Semester :		ODD		
				Instructor In-Charge Name :		Mr. Anmol Bhargava		
				Instructor In-Charge Employee ID :		PUNIV01136		
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0003	ABHISHEK P K	SoE	87	63	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0006	ALAN THOMAS JACOB	SoE	83	30	No	
3		20171PET0008	ANOOP K S	SoE	87	18	No	
4		20171PET0021	BHAVANA N	SoE	33	65	No	
5		20171PET0038	KARTHIK M G	SoE	80	70	Yes	
6		20171PET0055	MOHAMMED TASHFEEN KHAN	SoE	43	23	No	
7		20171PET0082	SARANG SURENDRAN	SoE	87	55	Yes	
8		20171PET0092	SREEHARI P	SoE	80	58	Yes	
9		20171PET0097	SYED SUHAIL AHMED F	SoE	47	0	No	
10		20171PET0102	V SAI CHARAN	SoE	71	78	Yes	
11		20171PET0109	RISHIN FARAS T P	SoE	81	40	No	
12		20171PET0110	MUHAS K T	SoE	73	63	Yes	
13		20181PET0005	ABHISHEK S KRISHNA	SoE	83	53	Yes	
14		20181PET0008	ALTAMISH AHMED PAKEER	SoE	90	53	Yes	
15		20181PET0027	GUNA K	SoE	97	58	Yes	
16		20181PET0035	KISHAN KUMAR	SoE	0	0	No	
17		20181PET0049	MOHAMMED AFSER M I	SoE	0	0	No	
18		20181PET0060	PALAGANI ABHINASH	SoE	83	65	Yes	
19		20181PET0066	PRISTON LAWRANCE LEWIS	SoE	90	50	Yes	
20		20181PET0067	PRITTHA ROY CHOWDHURY	SoE	87	78	Yes	
21		20181PET0091	SYED RIFATHULLA	SoE	30	0	No	
22		20181PET0092	SYED RIYAAN ARSHAD A	SoE	40	0	No	
23		20181PET0094	SYED SUFYAAN Z	SoE	43	0	No	
24		20181PET9003	MOHAMMED DANISH KAMAL	SoE	53	0	No	
25		20191ISE0188	USHA SHREE S	SoE	43	53	No	
26		20191PET0009	C S NISHANT	SoE	97	0	No	
27		20191PET0010	ELGIN PAUL	SoE	90	0	No	
28		20191PET0013	FIROZA SHEIKH	SoE	83	80	Yes	
29		20191PET0014	GANESH KUMAR POTHAN	SoE	90	8	No	
30		20191PET0018	JESWIN JAVAD	SoE	37	25	No	
31		20191PET0023	M MOHAMED ALFIATH	SoE	97	58	Yes	
32		20191PET0027	MOHAMED SUHAIL	SoE	0	0	No	
33		20191PET0035	MOHAMMED UZMAIR M	SoE	37	0	No	
34		20191PET0056	TARUN KUMAR A	SoE	70	23	No	

Name of Course Instructor: Mr. Anmol Bhargava  
Employee ID of Course Instructor: PUNIV01136



Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Industrial Waste water Treatment and Management
<b>Course Code</b>	: PET V015
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / ODD
<b>Course Instructor In-charge</b>	: Dr. Kalpajit Hazarika
<b>Course Instructor(s)</b>	: Dr. Kalpajit Hazarika (Department of PET)

### Course Description:

The main aim of this course is to learn the various technique to treat the industrial waste water. This course involves to understand the impact of effluent to the environment and how to deal with it. According to different regulation, industry can't dispose the effluent without treatment. This course helps the students to select the technique for effluent treatment based on the contaminants present in waste water. Also, students can find out the minimum concentration of contaminates according to the standard specification in waste water before disposing to the environment.

### Course Outcomes (COs):

- On successful completion of the course, the student shall be able to:
- CO1: state the impact of effluent to the environment,
  - CO2: identify the different types of problems related to the effluent,
  - CO3: discuss different methods for waste water treatment,
  - CO4: determine the minimum concentration of contaminates in waste water before disposing

### Course Content:

- Module 1: Introduction** - Introduction, various sources of effluent, and impact environment.
- Module 2: Characteristics of Wastewater and Effect to Environment** - Different parameter like Suspended solid, dissolved solid, BOD, COD, Turbidity, micro-organism, Effect to environment, Direct impacts, indirect impact.
- Module 3: Methods for Treatment** - Preliminary Treatment, Primary Treatment (Sedimentation), Secondary Treatment (Biological), Waste Treatment Ponds, Advanced Treatment Processes, Disinfection, Solids Handling and Disposal
- Module 4: Regulation for Disposal** - Common Effluent Treatment Plants as per, (Environment Protection Rules, 1986), Central Pollution Control Board, 2005, Ministry of Environment and Forests. 2011. Revised guidelines for the centrally sponsored scheme of Common Effluent Treatment Plants (CETPs), National Water Policy – 2012

Signature of the Instructor In-charge:



Signature of the HOD:



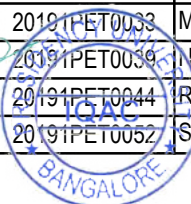
REGISTRAR



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V0015 - Industrial Waste Water Treatment and Management**

S. No.	Student ID No.	Student Name	Login Id
1	20181PET0007	ALI IMRAN	20181PET0007@presidencyuniversity.in
2	20181PET0009	ANSTIN SUNNY	20181PET0009@presidencyuniversity.in
3	20181PET0011	ARBAAZ AHMED	20181PET0011@presidencyuniversity.in
4	20181PET0030	JILLELA CHARAN	20181PET0030@presidencyuniversity.in
5	20181PET0031	JITHU JOHNY	20181PET0031@presidencyuniversity.in
6	20181PET0032	KATTA NAVEEN KUMAR	20181PET0032@presidencyuniversity.in
7	20181PET0034	KATTAMEDI VENKATA SUBBA REDDY	20181PET0034@presidencyuniversity.in
8	20181PET0038	KRISHNA ASHOK	20181PET0038@presidencyuniversity.in
9	20181PET0042	MALLU YUGANDHAR REDDY	20181PET0042@presidencyuniversity.in
10	20181PET0051	MOHAMMED RABEEN ALI	20181PET0051@presidencyuniversity.in
11	20181PET0052	MOHAMMED RAIYAN	20181PET0052@presidencyuniversity.in
12	20181PET0059	NUMAN AHMED FAZAL	20181PET0059@presidencyuniversity.in
13	20181PET0061	PALLEDA VINAY KUMAR	20181PET0061@presidencyuniversity.in
14	20181PET0065	PRANAV I M	20181PET0065@presidencyuniversity.in
15	20181PET0069	PUSAPATI SAI KIRAN	20181PET0069@presidencyuniversity.in
16	20181PET0084	SHAKHAMUDI NAGA SRI HARI	20181PET0084@presidencyuniversity.in
17	20181PET0085	SHIVAM RAM	20181PET0085@presidencyuniversity.in
18	20181PET0087	SINAN	20181PET0087@presidencyuniversity.in
19	20181PET0088	SOMALA VISHNU VARDHAN REDDY	20181PET0088@presidencyuniversity.in
20	20181PET0095	SYED YOUSUF M	20181PET0095@presidencyuniversity.in
21	20181PET0102	USMAN A GHANI K L	20181PET0102@presidencyuniversity.in
22	20181PET0103	VYSHNAV K P	20181PET0103@presidencyuniversity.in
23	20181PET0109	VARSHITHA SAI SURESH	20181PET0109@presidencyuniversity.in
24	20181PET0110	SHEJIL SHAJI	20181PET0110@presidencyuniversity.in
25	20181PET0112	RAVIKALA AJAY RAJ KUMAR	20181PET0112@presidencyuniversity.in
26	20191PET0003	AMAN TAHASILDAR	20191PET0003@presidencyuniversity.in
27	20191PET0008	BIRAJDAR SAURABH SURYAKANT	20191PET0008@presidencyuniversity.in
28	20191PET0011	FAYAZ PASHA	20191PET0011@presidencyuniversity.in
29	20191PET0016	HARI GOVIND V	20191PET0016@presidencyuniversity.in
30	20191PET0017	HITHESH P V	20191PET0017@presidencyuniversity.in
31	20191PET0020	KOKEERAN P	20191PET0020@presidencyuniversity.in
32	20191PET0027	MOHAMED SUHAIL	20191PET0027@presidencyuniversity.in
33	20191PET0028	MOHAMMED ADNAN	20191PET0028@presidencyuniversity.in
34	20191PET0029	MOHAMMED AFZAL	20191PET0029@presidencyuniversity.in
35	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	20191PET0032@presidencyuniversity.in
36	20191PET0033	MOHAMMED REEHAN AZHAR	20191PET0033@presidencyuniversity.in
37	20191PET0039	NABEED MUNNNA	20191PET0039@presidencyuniversity.in
38	20191PET0044	RIZVI ABUSAMAMA TAHQI HUSAIN	20191PET0044@presidencyuniversity.in
39	20191PET0052	SHAIKH ADNAN ZAKIR HUSAIN	20191PET0052@presidencyuniversity.in



  
 REGISTRAR  


40	20191PET0053	SHRAVAN KUMAR M	20191PET0053@presidencyuniversity.in
41	20191PET0054	SYED IKHLAS	20191PET0054@presidencyuniversity.in
42	20191PET0058	TAUSIF AHMED	20191PET0058@presidencyuniversity.in
43	20191PET0064	MUHAMMED SAFAL S	20191PET0064@presidencyuniversity.in
44	20191PET9006	SHABEER AHMED	20191PET9006@presidencyuniversity.in
45	20191PET9007	JAFFAR SADIQ M R	20191PET9007@presidencyuniversity.in
46	20201LPE0002	SYED SADIQ PASHA K	20201LPE0002@presidencyuniversity.in
47	20201LPE0003	SHIVAKUMAR DEVENDRA PATIL	20201LPE0003@presidencyuniversity.in



Instructor In-charge



HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

Course Code with Course Name: PET V015 - Industrial Waste Water Treatment and Management

Name of Instructor In-charge: Dr. Kalpajit Hazarika

S. No.	Student ID No.	Student Name	29-Aug-20	29-Aug-20	12-Sep-20	12-Sep-20	12-Sep-20	19-Sep-20	19-Sep-20	19-Sep-20	26-Sep-20	26-Sep-20	10-Oct-20	10-Oct-20	10-Oct-20	17-Oct-20	17-Oct-20	24-Oct-20	24-Oct-20	24-Oct-20	7-Nov-20	7-Nov-20	14-Nov-20	14-Nov-20	21-Nov-20	21-Nov-20	28-Nov-20	28-Nov-20	Total classes conducted	Total classes attended	Percentage attended	
			10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM				
1	20181PET0007	ALI IMRAN	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75		
2	20181PET0009	ANSTIN SUNNY	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75		
3	20181PET0011	ARBAAZ AHMED	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	27	90		
4	20181PET0030	JILLELA CHARAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100		
5	20181PET0031	JITHU JOHNY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	1	A	1	1	A	1	A	1	1	1	30	24	80
6	20181PET0032	KATTA NAVEEN KUMAR	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	27	90		
7	20181PET0034	KATTAMEDI VENKATA SUBBA REDDY	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	30	22	75		
8	20181PET0038	KRISHNA ASHOK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100		
9	20181PET0042	MALLU YUGANDHAR REDDY	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	27	90		
10	20181PET0051	MOHAMMED RABEEN ALI	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
11	20181PET0052	MOHAMMED RAIYAN	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
12	20181PET0059	NUMAN AHMED FAZAL	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	27	90		
13	20181PET0061	PALLEDA VINAY KUMAR	1	1	1	1	1	1	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	A	1	A	1	30	24	80
14	20181PET0065	PRANAV I M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100		
15	20181PET0069	PUSAPATI SAI KIRAN	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
16	20181PET0084	SHAKHAMUDI NAGA SRI HARI	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	24	80		
17	20181PET0085	SHIVAM RAM	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
18	20181PET0087	SINAN	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
19	20181PET0088	SOMN LA VISHNU VARDHAN REDDY	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
20	20181PET0095	SYED YOUSUF M	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
21	20181PET0102	MUSMAN A GHANI K L	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
22	20181PET0103	VYSNANA / K P	A	A	1	1	A	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80		
23	20181PET0109	MARSHITHA SAI SURESH	A	A	1	1	A	A	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
24	20181PET0110	SHEJIL SHAJI	A	A	1	1	A	A	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	
25	20181PET0112	RAVIKALA AJAY RAJ KUMAR	A	A	1	1	A	A	1	1	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	75	

REGISTRAR





**Presidency University, Bengaluru**  
**Value Added Course Marksheets**  
**School of Engineering**

Course Code :		PET V015			Academic Year :			2020-2021	
Course Name :		Industrial Waste Water Treatment and Management			Semester :			ODD	
					Instructor In-charge Name :			Dr. Kalpajit Hazarika	
					Instructor In-charge Employee ID :			PUNIV01078	
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark	
1		20181PET0007	ALI IMRAN	SOE	75	60	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.	
2		20181PET0009	ANSTIN SUNNY	SOE	75	60	Yes		
3		20181PET0011	ARBAAZ AHMED	SOE	90	60	Yes		
4		20181PET0030	JILLELA CHARAN	SOE	100	51	Yes		
5		20181PET0031	JITHU JOHNY	SOE	80	88	Yes		
6		20181PET0032	KATTA NAVEEN KUMAR	SOE	90	69	Yes		
7		20181PET0034	KATTAMEDJI VENKATA SUBBA REDDY	SOE	75	60	Yes		
8		20181PET0038	KRISHNA ASHOK	SOE	100	60	Yes		
9		20181PET0042	MALLU YUGANDHAR REDDY	SOE	90	60	Yes		
10		20181PET0051	MOHAMMED RABEEN ALI	SOE	75	62	Yes		
11		20181PET0052	MOHAMMED RAIYAN	SOE	75	63	Yes		
12		20181PET0059	NUMAN AHMED FAZAL	SOE	90	74	Yes		
13		20181PET0061	PALLEDA VINAY KUMAR	SOE	80	60	Yes		
14		20181PET0065	PRANAV I M	SOE	100	85	Yes		
15		20181PET0069	PUSAPATI SAI KIRAN	SOE	75	61	Yes		
16		20181PET0084	SHAKHAMUDI NAGA SRI HARI	SOE	80	80	Yes		
17		20181PET0085	SHIVAM RAM	SOE	75	60	Yes		
18		20181PET0087	SINAN	SOE	75	60	Yes		
19		20181PET0088	SOMALA VISHNU VARDHAN REDDY	SOE	75	61	Yes		
20		20181PET0095	SYED YOUSUF M	SOE	75	62	Yes		
21		20181PET0102	USMAN A GHANI K L	SOE	75	61	Yes		
22		20181PET0103	VYSHNAV K P	SOE	80	52	Yes		
23		20181PET0109	VARSHITHA SAI SURESH	SoE	75	60	Yes		
24		20181PET0110	SHEJIL SHAJI	SoE	75	63	Yes		
25		20181PET0112	RAVIKALA AJAY RAJ KUMAR	SOE	75	60	Yes		
26		20191PET0003	AMAN TAHASILDAR	SoE	75	60	Yes		
27		20191PET0008	BIRAJDAR SAURABH SURYAKANT	SoE	90	60	Yes		
28		20191PET0011	FAYAZ PASHA	SOE	100	51	Yes		
29		20191PET0016	HARI GOVIND V	SoE	80	88	Yes		
30		20191PET0017	HITHESH P V	SoE	90	69	Yes		
31		20191PET0020	KOKEERAN P	SOE	75	60	Yes		
32		20191PET0027	MOHAMED SUHAIL	SoE	100	60	Yes		
33		20191PET0028	MOHAMMED ADNAN	SoE	90	60	Yes		
34		20191PET0029	MOHAMMED AFZAL	SOE	75	62	Yes		
35		20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	SoE	75	63	Yes		
36		20191PET0033	MOHAMMED REEHAN AZHAR	SoE	90	74	Yes		
37		20191PET0039	NABEED MUNNNA	SOE	80	60	Yes		
38		20191PET0044	RIZVI ABUSAMAMA TAHQIQHUSAIN	SoE	100	85	Yes		
39		20191PET0052	SHAIKH ADNAN ZAKIRHUSAIN	SoE	75	61	Yes		
40		20191PET0053	SHRAVAN KUMAR M	SOE	80	80	Yes		
41		20191PET0054	SYED IKHLAS	SoE	75	60	Yes		
42		20191PET0058	TAUSIF AHMED	SoE	75	60	Yes		
43		20191PET0064	MUHAMMED SAFAL S	SOE	75	61	Yes		
44		20191PET9006	SHABEER AHMED	SoE	75	62	Yes		
45		20191PET9007	JAFFAR SADIQ M R	SoE	75	61	Yes		
46		20201LPE0002	SYED SADIQ PASHA K	SOE	80	52	Yes		
47		20201LPE0003	SHIVAKUMAR DEVENDRA PATIL	SoE	75	60	Yes		

Name of Course Instructor: Dr. Kalpajit Hazarika

Employee ID of Course Instructor: PUNIV01078



*KJ*

Signature of Instructor In-charge

*Sanne*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE





# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## **SCHOOL OF ENGINEERING** **DEPARTMENT OF PETROLEUM ENGINEERING**

Ref. No. PU/SOE-PET/VAC/2020-21-EVEN/CIR-01

Date: 11<sup>th</sup> January, 2021

### **CIRCULAR**

The following Value Added Courses (VACs) are proposed to be offered by the Department of Petroleum Engineering during the EVEN Semester of AY 2020-2021. All interested students are hereby informed to complete their course registration before 25<sup>th</sup> January, 2021. It is advised to not register for more than two courses.

Sl. No.	Course Code	Course Name
1	PET V009	New Age Writing Skills
2	PET V013	Fundamentals for Badminton Coaching
3	PET V014	Storage and Utilization of Methane through Various Methods
4	PET V015	Industrial Waste Water Treatment and Management
5	PET V016	Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement
6	PET V017	Energy Conservation Management and Audit
7	PET V018	Fluid Characterization using CMG WINPROP
8	PET V019	Petroleum Rules Acts and Agencies

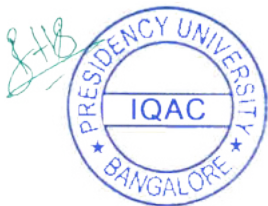
#### Important Information:

- (1) Duration of each course will be a minimum of 30 hours and the mode of delivery will be either Offline or Online or Hybrid depending on the availability of the Course Instructor In-charge.
- (2) Course Completion Certificates will be issued to the students who will maintain a minimum of 50% attendance till the last Instruction Day and secure a minimum of 50% marks in the continuous assessment.

For further information, feel free to contact the undersigned signed.

**Dr. Suman Paul**  
**(HOD-PET)**

Head of the Department  
Petroleum Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanukunte, Yelahanka, Bengaluru -64



REGISTRAR



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025

Campus: Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560 089

Phone: +91 80 4925 5533 / 5599 Email ID: info@presidencyuniversity.in

www.presidencyuniversity.in



# PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

## SCHOOL OF ENGINEERING

### DEPARTMENT OF PETROLEUM ENGINEERING

Ref. No. PU/SOE-PET/VAC/2020-21-EVEN/CIR-02

Date: 30<sup>th</sup> January, 2021

### CIRCULAR

In continuation to the previous Circular (Ref. No. PU/SOE-PET/VAC/2020-21-EVEN/CIR-01, Dated: 11<sup>th</sup> January, 2021), the following Value Added Courses (VACs) are finalized based on the applications received and are to be offered by the Department of Petroleum Engineering during the EVEN Semester of AY 2020-2021. All the registered students are hereby informed that the classes will commence from 3<sup>rd</sup> February, 2021.


Sl. No.	Name of the Faculty	Course Code	Course Name	Course Duration
1	Mr. Indraneel Agasty	PET V009	New Age Writing Skills	30 Hours
2	Dr. Suman Paul	PET V013	Fundamentals for Badminton Coaching	30 Hours
3	Dr. Deepjyoti Mech	PET V014	Storage and Utilization of Methane through Various Methods	30 Hours
4	Mr. Kalpajit Hazarika	PET V015	Industrial Waste Water Treatment and Management	30 Hours
5	Mr. Bhairab Jyoti Gogoi	PET V016	Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement	30 Hours
6	Mr. Ankur Neog	PET V017	Energy Conservation Management and Audit	30 Hours
7	Mr. Sugat Srivastava	PET V018	Fluid Characterization using CMG WINPROP	30 Hours
8	Mr. Anmol Bhargav	PET V019	Petroleum Rules Acts and Agencies	30 Hours

#### Important Information:

- (1) Duration of each course will be a minimum of 30 hours and the mode of delivery will be either Offline or Online or Hybrid depending on the availability of the Course Instructor In-charge.
- (2) Course Completion Certificates will be issued to the students who will maintain a minimum of 50% attendance till the last Instruction Day and secure a minimum of 50% marks in the continuous assessment.
- (3) It is the sole responsibility of the registered students to always be in touch with the respective Course Instructor In-charges and keep track of attendance and continuous assessment status.
- (4) Course Completion Certificates will be issued after completion of the evaluation process.

For further information, feel free to contact the undersigned signed.



  
**Dr. Suman Paul**  
**(HOD-PET)**

Head of the Department  
Petroleum Engineering  
School of Engineering  
PRESIDENCY UNIVERSITY  
Rajanakunte, Bengaluru - 64

REGISTRAR



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025

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<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Data Analysis
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: New Age Writing Skills
<b>Course Code</b>	: PET V009
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Mr. Indraneel Agasty
<b>Course Instructor(s)</b>	: Mr. Indraneel Agasty

### Course Description:

The course aims to introduce the students to skills applicable to the modern writing scene. These include blog writing, slam poetry, political and technical reports, listicles, spoken word poetry, letters to editors and report making. Such skills always help students in a modern work environment which demands an inter-disciplinary skill set as well as in free lancing jobs to showcase oneself to the target audience.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Manage a proper blog

CO2: Write political and current affairs letters to editors

CO3: Apply the use of listicles

CO4: Analyze the importance of writing skills in public speaking

### Course Content:

**Module 1: Blog Writing** - What is a blog, differences with news and media sites, Specific blog and article, Building a narrative, Search Engine Optimization

**Module 2: Formal Report Writing** - Fact analysis, back ground study, response, Formalities

**Module 3: Listicles** - Appeal of listicles to modern audience, Buzzfeed, growing prominence, factors involved

**Module 4: Writing to Speak** -Public speaking skills, Importance of written material, building writing to enhance public speaking skills, slam and spoken word poetry

Signature of the Instructor In-charge:



Signature of the HOD:



REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V009 - New Age Writing Skills**

S. No.	Student ID No.	Student Name	Login Id
1	20201PET0001	SOHAEL K S	20201PET0001@presidencyuniversity.in
2	20201PET0004	RACHAN BALAKRISHNA SHETTY	20201PET0004@presidencyuniversity.in
3	20201PET0006	PRAVEEN B	20201PET0006@presidencyuniversity.in
4	20201PET0008	NALLABHOTULA DUSHYANTH	20201PET0008@presidencyuniversity.in
5	20201PET0009	KOTISHWARAN V	20201PET0009@presidencyuniversity.in
6	20201PET0010	PRADEEP KUMAR RATHOD	20201PET0010@presidencyuniversity.in
7	20201PET0011	A M RIZWAN	20201PET0011@presidencyuniversity.in
8	20201PET0012	MOHAMMED SHAZAN	20201PET0012@presidencyuniversity.in
9	20201PET0014	ZAHEED AHMED	20201PET0014@presidencyuniversity.in
10	20201PET0015	MUJTBA AAMIR AHMED	20201PET0015@presidencyuniversity.in
11	20201PET0016	SIDHARTH MURALI	20201PET0016@presidencyuniversity.in
12	20201PET0017	BHOOMIKA SATISH	20201PET0017@presidencyuniversity.in
13	20201PET0018	NUTHAN M S	20201PET0018@presidencyuniversity.in
14	20201PET0019	PRANAV. A	20201PET0019@presidencyuniversity.in
15	20201PET0021	R JANARDHAN REDDY	20201PET0021@presidencyuniversity.in
16	20201PET0022	MOHAMMED SHADIM D K	20201PET0022@presidencyuniversity.in
17	20201PET0023	PRATHIVRAJ S	20201PET0023@presidencyuniversity.in
18	20201PET0024	GIRIDHARAN PURUSHOTHAMAN	20201PET0024@presidencyuniversity.in
19	20201PET0026	AJMAL AKBAR BABU	20201PET0026@presidencyuniversity.in
20	20201PET0027	YARRAMSETTI CHAITANYA SRI	20201PET0027@presidencyuniversity.in
21	20201PET0029	PAVAN GOUD	20201PET0029@presidencyuniversity.in
22	20201PET0030	AQIB AHMED SHARIEEF	20201PET0030@presidencyuniversity.in
23	20201PET0031	BANDLA HAREESH	20201PET0031@presidencyuniversity.in
24	20201PET0032	VELDI TEJA ABBHIRAM	20201PET0032@presidencyuniversity.in
25	20201PET0033	SHEKAR	20201PET0033@presidencyuniversity.in
26	20201PET0034	KOMMINENI HEMANTH	20201PET0034@presidencyuniversity.in
27	20201PET9001	MOHAMMED SHAHID	20201PET9001@presidencyuniversity.in
28	20201PET9002	NITIN	20201PET9002@presidencyuniversity.in



Instructor In-charge



HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V009 - New Age Writing Skills

Name of Instructor In-charge: Mr. Indraneel Agasty

S. No.	Student ID No.	Student Name	10-Mar-21	10-Mar-21	10-Mar-21	17-Mar-21	17-Mar-21	17-Mar-21	24-Mar-21	24-Mar-21	24-Mar-21	31-Mar-21	31-Mar-21	31-Mar-21	14-Apr-21	14-Apr-21	14-Apr-21	21-Apr-21	21-Apr-21	21-Apr-21	28-Apr-21	28-Apr-21	28-Apr-21	2-May-21	2-May-21	2-May-21	9-May-21	9-May-21	9-May-21	16-May-21	16-May-21	16-May-21	Total classes conducted	Total classes attended	Percentage attended
			3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM			
1	20201PET0001	SOHAEL K S	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	1	1	A	1	30	25	83.33
2	20201PET0004	RACHAN BALAKRISHNA SHETTY	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	A	1	30	27	90.00
3	20201PET0006	PRAVEEN B	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	30	26	86.67	
4	20201PET0008	NALLABHOTULA DUSHYANTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	30	28	93.33
5	20201PET0009	KOTISHWARAN V	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	30	26	86.67	
6	20201PET0010	PRADEEP KUMAR RATHOD	1	1	1	1	1	1	1	1	1	1	1	1	a	A	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	30	25	83.33	
7	20201PET0011	A M RIZWAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
8	20201PET0012	MOHAMMED SHAZAN	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	1	1	A	1	30	25	83.33
9	20201PET0014	ZAHEED AHMED	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	30	27	90.00	
10	20201PET0015	MUJTBA AAMIR AHMED	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	30	26	86.67		
11	20201PET0016	SIDHARTH MURALI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
12	20201PET0017	BHOOMIKA SATISH	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	30	26	86.67		
13	20201PET0018	NUTHAN M S	1	1	1	1	1	1	1	1	1	1	1	1	a	A	1	1	1	1	1	A	1	1	A	1	1	1	A	1	30	25	83.33		
14	20201PET0019	PRANAV. A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
15	20201PET0021	R JANARDHAN REDDY	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	1	1	A	1	30	25	83.33
16	20201PET0022	MOHAMMED SHADIM D K	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	A	1	30	27	90.00	
17	20201PET0023	PRATHIVRAJ S	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	30	26	86.67		
18	20201PET0024	GIRIDHARAN PURUSHOTHAMAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
19	20201PET0026	AJMAL AKBAR BABU	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	30	26	86.67		
20	20201PET0027	YARRAMSETTI CHAITANYA SRI	1	1	1	1	1	1	1	1	1	1	1	1	1	a	A	1	1	1	1	A	1	1	A	1	1	1	A	1	30	25	83.33		
21	20201PET0029	PAVAN GOUD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
22	20201PET0030	AQIB AHMED SHARIEEF	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	1	1	A	1	30	25	83.33
23	20201PET0031	BANDLA HAREESH	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	A	1	30	27	90.00	
24	20201PET0032	VELDI TEJA ABBHIRAM	1	1	1	1	1	1	1	1	1	1	1	1	a	1	1	1	1	1	1	A	1	1	A	1	1	1	A	1	30	26	86.67		
25	20201PET0033	SNEKAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	
26	20201PET0034	KOMMINENI HEMANTH	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	A	1	30	26	86.67		
27	20201PET0001	MOHAMMED SHAHID	1	1	1	1	1	1	1	1	1	1	1	1	a	A	1	1	1	1	1	A	1	1	A	1	1	1	A	1	30	25	83.33		
28	20201PET9002	NITIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	1	1	30	28	93.33	

Signature of Instructor In-charge

REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V009		Academic Year :			2020-2021	
Course Name :		New Age Writing Skills		Semester :			EVEN	
				Instructor In-Charge Name :			Mr. Indraneel Agasty	
				Instructor In-Charge Employee ID :			PUNIV00898	
S. No.	UID No.	Roll No.	Name	School School (e.g. SoE/SoL etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20201PET0001	SOHAEL K S	SoE	83	86	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20201PET0004	RACHAN BALAKRISHNA SHETTY	SoE	90	67	Yes	
3		20201PET0006	PRAVEEN B	SoE	87	80	Yes	
4		20201PET0008	NALLABHOTULA DUSHYANTH	SoE	93	50	Yes	
5		20201PET0009	KOTISHWARAN V	SoE	87	94	Yes	
6		20201PET0010	PRADEEP KUMAR RATHOD	SoE	83	71	Yes	
7		20201PET0011	A M RIZWAN	SoE	93	60	Yes	
8		20201PET0012	MOHAMMED SHAZAN	SoE	83	82	Yes	
9		20201PET0014	ZAHEED AHMED	SoE	90	67	Yes	
10		20201PET0015	MUJTBA AAMIR AHMED	SoE	87	80	Yes	
11		20201PET0016	SIDHARTH MURALI	SoE	93	63	Yes	
12		20201PET0017	BHOOMIKA SATISH	SoE	87	81	Yes	
13		20201PET0018	NUTHAN M S	SoE	83	71	Yes	
14		20201PET0019	PRANAV. A	SoE	93	65	Yes	
15		20201PET0021	R JANARDHAN REDDY	SoE	83	86	Yes	
16		20201PET0022	MOHAMMED SHADIM D K	SoE	90	67	Yes	
17		20201PET0023	PRATHIVRAJ S	SoE	87	80	Yes	
18		20201PET0024	GIRIDHARAN PURUSHOTHAMAN	SoE	93	61	Yes	
19		20201PET0026	AJMAL AKBAR BABU	SoE	87	71	Yes	
20		20201PET0027	YARRAMSETTI CHAITANYA SRI	SoE	83	71	Yes	
21		20201PET0029	PAVAN GOUD	SoE	93	60	Yes	
22		20201PET0030	AQIB AHMED SHARIEEF	SoE	83	72	Yes	
23		20201PET0031	BANDLA HAREESH	SoE	90	67	Yes	
24		20201PET0032	VELDI TEJA ABBHIRAM	SoE	87	71	Yes	
25		20201PET0033	SHEKAR	SoE	93	62	Yes	
26		20201PET0034	KOMMINENI HEMANTH	SoE	87	80	Yes	
27		20201PET9001	MOHAMMED SHAHID	SoE	83	71	Yes	
28		20201PET9002	NITIN	SoE	93	60	Yes	

Name of Course Instructor 6: Mr. Indraneel Agasty  
Employee ID of Course Instructor 6: PUNIV00898

Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Sports and Games
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Fundamentals for Badminton Coaching
<b>Course Code</b>	: PET V013
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Dr. Suman Paul
<b>Course Instructor(s)</b>	: Dr. Suman Paul (Department of PET)

### Course Description:

The objective of offering "Fundamentals for Badminton Coaching" as a Value Added Course (VAC) is to create awareness about the technical aspects of badminton coaching by educating people who are willing to become badminton coach.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Discuss the overview of badminton

CO2: Describe the methods of group management

CO3: Identify 'when to coach' specific skills under the headings of Technical, Tactical, Physical, Psychological and Lifestyle

CO4: Describe different badminton strokes

CO5: Identify the advantages and disadvantages of different coaching methods used in movement development

CO6: Use a variety of notational systems to analyze matches

CO7: Adapt training methods to players of different ages

CO8: Describe the test protocols for a variety of tests relevant to the sport of badminton

### Course Content:

**Module 1: Overview** - Badminton Basics, Aim of the Game, Rules of the Game, Why Badminton Appeals, Elite Level Badminton, Olympic and Paralympic Games, Origin of Badminton, Positive benefits of Badminton Participation, Regulating Badminton Worldwide, BWF Vision, Mission and Goals, Coaching Framework.

**Module 2: How To Coach** – Coaching Process; Planning, Ability, Skill and Potential; Motor Skills; Practice Structure, Learning Preferences, Questioning Skills, Coaching Methods, Group Management, Self-Assessment Questions

**Module 3: When To Coach and Performance Factors** – Introduction, Principle of Adaptation, Principle of Overload, Principle of Recovery

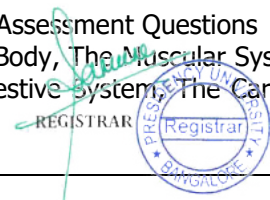
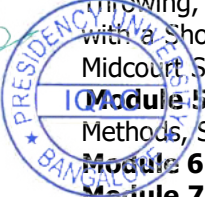
**Module 4: Hitting Skills** - Introduction to Hitting Techniques, Biomechanical Principles, Catching and Throwing, Games for Catching and Throwing, Developing Striking Skills, Hitting with the Hand, Hitting with a Short Grip, Hitting with a Long Grip, Basic Strokes – Introduction to Serving, Forecourt Strokes, Midcourt Strokes, Rearcourt Strokes. Videos.

**Module 5: Movement Skills:** Movement Patterns, Movement Types in Singles and Doubles, Coaching Methods, Self-Assessment Questions

**Module 6: Tactics** - Tournament Coaching, Match Observation, Self-Assessment Questions

**Module 7: Physical** - The Human Body, The Skeleton, Joints of the Body, The Muscular System, Lever Systems, Muscle Fibre Types, The Stretch-Shortening Cycle, The Digestive System, The Cardiovascular

SHS







# PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

System, The Respiratory System, Energy Systems, Balance, Coordination, Speed, Agility and Quickness, Endurance, Flexibility, Strength, Self-Assessment Questions

**Module 8: Physical Fitness Testing** - Testing Protocols, Functional Movement Screening, Self-Assessment Questions

Signature of the Instructor In-charge:

Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V013 - Fundamentals for Badminton Coaching**

S. No.	Student ID No.	Student Name	Login Id
1	201811ET0012	ASHAD MOHAMMED	201811ET0012@presidencyuniversity.in
2	20181PET0013	ASWIN S KUMAR	20181PET0013@presidencyuniversity.in
3	20181PET0014	ATHUL P SAJU	20181PET0014@presidencyuniversity.in
4	20181PET0019	CHAGANI RANGA REDDY	20181PET0019@presidencyuniversity.in
5	20181PET0022	CHRIS HARRISE V T	20181PET0022@presidencyuniversity.in
6	20181PET0029	JAHIRSHA C	20181PET0029@presidencyuniversity.in
7	20181PET0031	JITHU JOHNY	20181PET0031@presidencyuniversity.in
8	20181PET0037	KOTTA SAI CHARAN	20181PET0037@presidencyuniversity.in
9	20181PET0038	KRISHNA ASHOK	20181PET0038@presidencyuniversity.in
10	20181PET0039	KUPPALA SASIDHAR	20181PET0039@presidencyuniversity.in
11	20181PET0045	MIDHUN JOHN SAM	20181PET0045@presidencyuniversity.in
12	20181PET0046	MILAN SASEENDRAN	20181PET0046@presidencyuniversity.in
13	20181PET0055	MUHAMMED ARIF	20181PET0055@presidencyuniversity.in
14	20181PET0082	SANIVARAPU VENKATESWARA REDDY	20181PET0082@presidencyuniversity.in
15	20181PET0087	SINAN SINAN	20181PET0087@presidencyuniversity.in
16	20181PET0102	USMAN A GHANI K L	20181PET0102@presidencyuniversity.in
17	20181PET0103	VYSHNAV K P	20181PET0103@presidencyuniversity.in
18	20181PET0108	ATHIL	20181PET0108@presidencyuniversity.in
19	20181PET0110	SHEJIL SHAJI	20181PET0110@presidencyuniversity.in
20	20181PET9001	ARSHAK A	20181PET9001@presidencyuniversity.in
21	20181PET9004	GOKUL N K	20181PET9004@presidencyuniversity.in
22	20191PET0020	KOKEERAN P	20191PET0020@presidencyuniversity.in
23	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	20191PET0026@presidencyuniversity.in
24	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	20191PET0040@presidencyuniversity.in



Instructor In-charge



HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V013 - Fundamentals for Badminton Coaching

Name of Instructor In-charge: Dr. Suman Paul

S. No.	Student ID No.	Student Name	4-Mar-21	5-Mar-21	6-Mar-21	11-Mar-21	12-Mar-21	13-Mar-21	18-Mar-21	19-Mar-21	20-Mar-21	25-Mar-21	26-Mar-21	27-Mar-21	8-Apr-21	9-Apr-21	10-Apr-21	15-Apr-21	16-Apr-21	17-Apr-21	22-Apr-21	23-Apr-21	24-Apr-21	29-Apr-21	30-Apr-21	1-May-21	6-May-21	7-May-21	8-May-21	13-May-21	14-May-21	15-May-21	Total classes conducted	Total classes attended	Percentage attended	
			6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	6PM-7PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM			
1	201811ET0012	ASHAD MOHAMMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	26	86.67
2	20181PET0013	ASWIN S KUMAR	1	1	1	1	1	1	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	1	1	1	A	1	1	1	30	22	73.33
3	20181PET0014	ATHUL P SAJU	1	1	1	1	1	1	1	A	1	1	1	A	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	22	73.33
4	20181PET0019	CHAGANI RANGA REDDY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	1	30	4	13.33
5	20181PET0022	CHRIS HARRISE V T	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	A	1	1	A	1	1	1	1	1	1	1	1	1	1	1	30	18	60.00
6	20181PET0029	JAHIRSHA C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
7	20181PET0031	JITHU JOHNY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
8	20181PET0037	KOTTA SAI CHARAN	1	1	1	1	A	1	A	1	1	1	1	1	1	1	A	1	1	1	1	A	1	1	A	1	1	1	1	1	1	1	1	30	18	60.00
9	20181PET0038	KRISHNA ASHOK	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	30	4	13.33
10	20181PET0039	KUPPALA SASIDHAR	1	A	1	1	A	1	1	A	1	1	1	1	A	1	1	1	A	1	1	1	1	A	1	1	1	1	1	A	1	A	1	30	18	60.00
11	20181PET0045	MIDHUN JOHN SAM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	A	1	1	1	30	8	26.67
12	20181PET0046	MILAN SASEENDRAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
13	20181PET0055	MUHAMMED ARIF	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	A	A	1	1	1	1	1	1	1	A	1	A	1	1	1	30	22	73.33
14	20181PET0082	SANIVARAPU VENKATESWARA REDDY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
15	20181PET0087	SINAN SINAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
16	20181PET0102	USMAN A GHANI K L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
17	20181PET0103	VYSHNAV K P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
18	20181PET0108	ATHIL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
19	20181PET0110	SHEJIL SHAJI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
20	20181PET9001	ARSHAK A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
21	20181PET9004	SOKUL N K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	30	26	86.67
22	2019PET0026	KOKEERAN P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	30	4	13.33
23	2019PET0026	MUHAMMED MUNAWAR HUSSAIN M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	1	1	1	30	4	13.33
24	2019PET0040	ANAGAM VENKATA MAHARSHI VASISTA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0.00



*S Paul*

Signature of Instructor In-charge

*Suman*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V013		Academic Year :			2020-2021	
Course Name :		Fundamentals for Badminton Coaching		Semester :			EVEN (SUMMER TERM)	
				Instructor In-charge Name :			Dr. Suman Paul	
				Instructor In-charge Employee ID :			PUNIV00548	
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		201811ET0012	ASHAD MOHAMMED	SoE	86.67	0.00	No	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20181PET0013	ASWIN S KUMAR	SoE	73.33	0.00	No	
3		20181PET0014	ATHUL P SAJU	SoE	73.33	51.00	Yes	
4		20181PET0019	CHAGANI RANGA REDDY	SoE	13.33	0.00	No	
5		20181PET0022	CHRIS HARRISE V T	SoE	60.00	84.00	Yes	
6		20181PET0029	JAHIRSHA C	SoE	86.67	17.00	No	
7		20181PET0031	JITHU JOHNY	SoE	86.67	0.00	No	
8		20181PET0037	KOTTA SAI CHARAN	SoE	60.00	82.00	Yes	
9		20181PET0038	KRISHNA ASHOK	SoE	13.33	0.00	No	
10		20181PET0039	KUPPALA SASIDHAR	SoE	60.00	41.00	No	
11		20181PET0045	MIDHUN JOHN SAM	SoE	26.67	21.00	No	
12		20181PET0046	MILAN SASEENDRAN	SoE	100.00	31.00	No	
13		20181PET0055	MUHAMMED ARIF	SoE	73.33	30.00	No	
14		20181PET0082	SANIVARAPU VENKATESWARA REDDY	SoE	86.67	34.00	No	
15		20181PET0087	SINAN SINAN	SoE	86.67	0.00	No	
16		20181PET0102	USMAN A GHANI K L	SoE	86.67	26.00	No	
17		20181PET0103	VYSHNAV K P	SoE	86.67	0.00	No	
18		20181PET0108	ATHIL	SoE	100.00	50.00	Yes	
19		20181PET0110	SHEJIL SHAJI	SoE	86.67	0.00	No	
20		20181PET9001	ARSHAK A	SoE	86.67	0.00	No	
21		20181PET9004	GOKUL N K	SoE	86.67	29.00	No	
22		20191PET0020	KOKEERAN P	SoE	13.33	0.00	No	
23		20191PET0026	MOHAMED MUNAWAR HUSSAIN M	SoE	13.33	18.00	No	
24		20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	SoE	0.00	0.00	No	

Name of Course Instructor: Dr. Suman Paul  
Employee ID of Course Instructor: PUNIV00548

Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Storage and Utilization of Methane through Various Methods
<b>Course Code</b>	: PET V014
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Dr. Deepjyoti Mech
<b>Course Instructor(s)</b>	: Dr. Deepjyoti Mech (Department of PET)

### Course Description:

The main aim of this course is to learn the various techniques related to storage and utilization of methane which is used to produce from daily activities. This course involves to understand the impact of methane production and how to deal with it. The storage of methane through various methods helps to combat the problem such as greenhouse effect. Also, understand the utilization of methane for various purposes. At the end of this course, student will able to learn about the effect of methane release into the environment, various methane storage methods and utilization of methane to curb the greenhouse effect.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: state the impact of methane production from different sources,

CO2: identify the different types of problems related to the methane production,

CO3: discuss different methods for methane storage,

CO4: explain new practices for utilization of methane to curb the greenhouse effect

### Course Content:

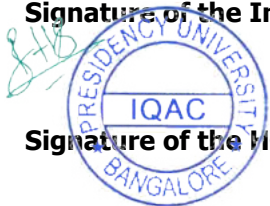
**Module 1: Introduction** - Introduction, various sources of methane release, and impact of methane release.

**Module 2: Problems associated with Methane Production** - Why methane is releasing to the environment, Reason of releasing methane, Greenhouse gas effect, The Growing Response to Climate Change.

**Module 3: Methods for Methane Storage** - LNG tank, CNG Kits, Underground reservoir, Gas hydrates and other recent techniques.

**Module 4: New Practices for Methane Utilization** - Domestic utilization, Industry utilization, Recycling measures, Case studies.

Signature of the Instructor In-charge:



Signature of the HOD:

Signature of the HOD: *[Handwritten Signature]*

REGISTRAR  
Signature of the Registrar: *[Handwritten Signature]*  
REGISTRAR

**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V014 - Storage and Utilization of Methane through Various Methods**

S. No.	Student ID No.	Student Name	Login Id
1	20181PET0049	MOHAMMED AFSER	20181PET0049@presidencyuniversity.in
2	20181PET9015	NIKHIL SAI	20181PET9015@presidencyuniversity.in
3	20181PET0093	SYED SHAH KHURSHEED ALI	20181PET0093 @presidencyuniversity.in
4	20181PET0027	GUNA K	20181PET0027@presidencyuniversity.in
5	20181PET0048	MOHAMED AHMED	20181PET0048 @presidencyuniversity.in
6	20181PET0050	MOHAMMED AMAN FAHAD	20181PET0050 @presidencyuniversity.in
7	20181PET0056	MUNNAM VENKATA KISHORE REDDY	20181PET0056 @presidencyuniversity.in
8	20181PET0068	PRIYANKA SINGH	20181PET0068 @presidencyuniversity.in
9	20181PET0075	RASHIQUE SHAH	20181PET0075 @presidencyuniversity.in
10	20181PET0078	SAHANA K	20181PET0078 @presidencyuniversity.in
11	20181PET0099	THEJAS J	20181PET0099 @presidencyuniversity.in
12	20181PET0100	THIRUNAVUKARASU V T	20181PET0100 @presidencyuniversity.in
13	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	20181PET0101 @presidencyuniversity.in
14	20181PET0111	THORANASHREE R	20181PET0111 @presidencyuniversity.in
15	20181PET0114	RUSHIKA G J	20181PET0114 @presidencyuniversity.in
16	20181PET9005	SNEHA T H	20181PET9005 @presidencyuniversity.in
17	20191PET0015	GILAKA PAVAN	20191PET0015@presidencyuniversity.in
18	20191PET0019	KADIRI LALITHA	20191PET0019 @presidencyuniversity.in
19	20191PET0022	KUSHAL K	20191PET0022 @presidencyuniversity.in
20	20191PET0023	M MOHAMED ALFIATH	20191PET0023@presidencyuniversity.in
21	20191PET0024	MIDHUN M M	20191PET0024@presidencyuniversity.in
22	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	20191PET0026 @presidencyuniversity.in
23	20191PET0051	SHAIK MUSTAK	20191PET0051@presidencyuniversity.in
24	20191PET0059	THOTA GUNA NAGA MURARI	20191PET0059@presidencyuniversity.in

*Mark*

Instructor In-charge

*Sauk*

HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V014 - Storage and Utilization of Methane through Various Methods

Name of Instructor In-charge: Dr. Deepjyoti Mech

S. No.	Student ID No.	Student Name	13-Feb-21	13-Feb-21	19-Feb-21	27-Feb-21	27-Feb-21	5-Mar-21	13-Mar-21	13-Mar-21	19-Mar-21	27-Mar-21	27-Mar-21	2-Apr-21	10-Apr-21	10-Apr-21	16-Apr-21	24-Apr-21	24-Apr-21	30-Apr-21	8-May-21	8-May-21	14-May-21	22-May-21	22-May-21	28-May-21	29-May-21	29-May-21	4-Jun-21	12-Jun-21	12-Jun-21	18-Jun-21	Total classes conducted	Total classes attended	Percentage attended				
			5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	5PM-6PM	6PM-7PM	5PM-6PM	30	27	90.00	
1	20181PET0049	MOHAMMED AFSER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00		
2	20181PET9015	NIKHIL SAI	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	21	70.00	
3	20181PET0093	SYED SHAH KHURSHEED ALI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
4	20181PET0027	GUNA K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	A	A	1	1	1	1	1	1	30	24	80.00	
5	20181PET0048	MOHAMED AHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
6	20181PET0050	MOHAMMED AMAN FAHAD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
7	20181PET0056	MUNNAM VENKATA KISHORE REDDY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
8	20181PET0068	PRIYANKA SINGH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
9	20181PET0075	RASHIQUE SHAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	27	90.00	
10	20181PET0078	SAHANA K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
11	20181PET0099	THEJAS J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	8	90.00	
12	20181PET0100	THIRUNAVUKARASU V T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
13	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
14	20181PET0111	THORANASHREE R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	1	30	27	90.00
15	20181PET0114	RUSHIKA G J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
16	20181PET9005	SNEHA T H	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	27	90.00	
17	20191PET0015	GILAKA PAVAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	27	90.00	
18	20191PET0019	KADIRI LALITHA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
19	20191PET0022	KUSHAL K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
20	20191PET0023	M MOHAMED ALFIATH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	A	1	1	1	A	1	1	1	1	30	27	90.00	
21	20191PET0024	MIDHUN M M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
22	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	
23	20191PET0051	SHANKH JSTAK	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	A	A	A	1	1	A	A	A	1	1	1	1	1	1	30	21	70.00	
24	20191PET0059	THOJA GUINA NAGA MURARI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00	



*Deepjyoti Mech*  
Signature of Instructor In-charge


*Jayashree*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

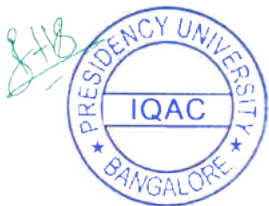


**Presidency University, Bengaluru**  
**Value Added Course Marksheets**  
**School of Engineering**

Course Code :		PET V 014		Academic Year :		2020-2021		
Course Name :		Storage and Utilization of Methane through Various Methods		Semester :		EVEN / SUMMER TERM		
				Instructor In-charge Name :		Dr. Deepjyoti Mech		
				Instructor In-charge Employee ID :		PUNIV00903		
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20181PET0049	MOHAMMED AFSER	SoE	90	50	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20181PET9015	NIKHIL SAI	SoE	70	0	No	
3		20181PET0093	SYED SHAH KHURSHEED ALI	SoE	100	45	No	
4		20181PET0027	GUNA K	SoE	80	70	Yes	
5		20181PET0048	MOHAMED AHMED	SoE	100	12	No	
6		20181PET0050	MOHAMMED AMAN FAHAD	SoE	100	29	No	
7		20181PET0056	MUNNAM VENKATA KISHORE REDDY	SoE	100	35	No	
8		20181PET0068	PRIYANKA SINGH	SoE	100	77	Yes	
9		20181PET0075	RASHIQUE SHAH	SoE	90	75	Yes	
10		20181PET0078	SAHANA K	SoE	100	60	Yes	
11		20181PET0099	THEJAS J	SoE	90	50	Yes	
12		20181PET0100	THIRUNAVUKARASU V T	SoE	100	71	Yes	
13		20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	SoE	100	58	Yes	
14		20181PET0111	THORANASHREE R	SoE	90	12	No	
15		20181PET0114	RUSHIKA G J	SoE	100	74	Yes	
16		20181PET9005	SNEHA T H	SoE	90	13	No	
17		20191PET0015	GILAKA PAVAN	SoE	90	45	No	
18		20191PET0019	KADIRI LALITHA	SoE	100	74	Yes	
19		20191PET0022	KUSHAL K	SoE	100	40	No	
20		20191PET0023	M MOHAMED ALFIATH	SoE	90	65	Yes	
21		20191PET0024	MIDHUN M M	SoE	100	71	Yes	
22		20191PET0026	MOHAMED MUNAWAR HUSSAIN M	SoE	100	45	No	
23		20191PET0051	SHAIK MUSTAK	SoE	70	0	No	
24		20191PET0059	THOTA GUNA NAGA MURARI	SoE	100	50	Yes	

Name of Course Instructor: Mr. Deepjyoti Mech  
Employee ID of Course Instructor: PUNIV00903

  
Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Petroleum Engineering
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Industrial Waste water Treatment and Management
<b>Course Code</b>	: PET V015
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Dr. Kalpajit Hazarika
<b>Course Instructor(s)</b>	: Dr. Kalpajit Hazarika (Department of PET)

### Course Description:

The main aim of this course is to learn the various technique to treat the industrial waste water. This course involves to understand the impact of effluent to the environment and how to deal with it. According to different regulation, industry can't dispose the effluent without treatment. This course helps the students to select the technique for effluent treatment based on the contaminants present in waste water. Also, students can find out the minimum concentration of contaminates according to the standard specification in waste water before disposing to the environment.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: state the impact of effluent to the environment,

CO2: identify the different types of problems related to the effluent,

CO3: discuss different methods for waste water treatment,

CO4: determine the minimum concentration of contaminates in waste water before disposing

### Course Content:

**Module 1: Introduction** - Introduction, various sources of effluent, and impact environment.

**Module 2: Characteristics of Wastewater and Effect to Environment** - Different parameter like Suspended solid, dissolved solid, BOD, COD, Turbidity, micro-organism, Effect to environment, Direct impacts, indirect impact.

**Module 3: Methods for Treatment** - Preliminary Treatment, Primary Treatment (Sedimentation), Secondary Treatment (Biological), Waste Treatment Ponds, Advanced Treatment Processes, Disinfection, Solids Handling and Disposal

**Module 4: Regulation for Disposal** - Common Effluent Treatment Plants as per, (Environment Protection Rules, 1986), Central Pollution Control Board, 2005, Ministry of Environment and Forests. 2011. Revised guidelines for the centrally sponsored scheme of Common Effluent Treatment Plants (CETPs), National Water Policy – 2012

Signature of the Instructor In-charge:



Signature of the HOD:



REGISTRAR



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

<b>VAC Student List: PET V015 - Industrial Waste Water Treatment and Management</b>			
<b>S. No.</b>	<b>Student ID No.</b>	<b>Student Name</b>	<b>Login Id</b>
1	20181PET0049	MOHAMMED AFSER	20181PET0049@presidencyuniversity.in
2	20181PET9015	NIKHIL SAI	20181PET9015@presidencyuniversity.in
3	20181PET0093	SYED SHAH KHURSHEED ALI	20181PET0093 @presidencyuniversity.in
4	20181PET0027	GUNA K	20181PET0027@presidencyuniversity.in
5	20181PET0048	MOHAMED AHMED	20181PET0048 @presidencyuniversity.in
6	20181PET0050	MOHAMMED AMAN FAHAD	20181PET0050 @presidencyuniversity.in
7	20181PET0056	MUNNAM VENKATA KISHORE REDDY	20181PET0056 @presidencyuniversity.in
8	20181PET0068	PRIYANKA SINGH	20181PET0068 @presidencyuniversity.in
9	20181PET0075	RASHIQUE SHAH	20181PET0075 @presidencyuniversity.in
10	20181PET0078	SAHANA K	20181PET0078 @presidencyuniversity.in
11	20181PET0099	THEJAS J	20181PET0099 @presidencyuniversity.in
12	20181PET0100	THIRUNAVUKARASU V T	20181PET0100 @presidencyuniversity.in
13	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	20181PET0101 @presidencyuniversity.in
14	20181PET0111	THORANASHREE R	20181PET0111 @presidencyuniversity.in
15	20181PET0114	RUSHIKA G J	20181PET0114 @presidencyuniversity.in
16	20181PET9005	SNEHA T H	20181PET9005 @presidencyuniversity.in
17	20191PET0015	GILAKA PAVAN	20191PET0015@presidencyuniversity.in
18	20191PET0019	KADIRI LALITHA	20191PET0019 @presidencyuniversity.in
19	20191PET0022	KUSHAL K	20191PET0022 @presidencyuniversity.in
20	20191PET0023	M MOHAMED ALFIATH	20191PET0023@presidencyuniversity.in
21	20191PET0024	MIDHUN M M	20191PET0024@presidencyuniversity.in
22	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	20191PET0026 @presidencyuniversity.in
23	20191PET0051	SHAIK MUSTAK	20191PET0051@presidencyuniversity.in
24	20191PET0059	THOTA GUNA NAGA MURARI	20191PET0059@presidencyuniversity.in



Instructor In-charge



HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V015 - Industrial Waste Water Treatment and Management

Name of Instructor In-charge: Dr. Kalpajit Hazarika

S. No.	Student ID No.	Student Name	13-Feb-21	13-Feb-21	19-Feb-21	19-Feb-21	27-Feb-21	27-Feb-21	5-Mar-21	13-Mar-21	13-Mar-21	19-Mar-21	27-Mar-21	27-Mar-21	2-Apr-21	10-Apr-21	10-Apr-21	16-Apr-21	24-Apr-21	24-Apr-21	30-Apr-21	8-May-21	8-May-21	14-May-21	22-May-21	22-May-21	28-May-21	29-May-21	29-May-21	4-Jun-21	12-Jun-21	12-Jun-21	18-Jun-21	Total classes conducted	Total classes attended	Percentage attended	
			9AM-10AM	10AM-11AM	9AM-10AM	9AM-10AM	10AM-11AM	9AM-10AM	9AM-10AM	10AM-11AM	9AM-10AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM	9AM-10AM	10AM-11AM				
1	20181PET0049	MOHAMMED AFSER	1	1	1	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90
2	20181PET9015	NIKHIL SAI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	1	A	A	A	A	1	1	1	A	A	30	21	70
3	20181PET0093	SYED SHAH KHURSHEED ALI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
4	20181PET0027	GUNA K	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	30	24	80	
5	20181PET0048	MOHAMED AHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
6	20181PET0050	MOHAMMED AMAN FAHAD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	30	24	100
7	20181PET0056	MUNNAM VENKATA KISHORE REDDY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	30	24	100
8	20181PET0068	PRIYANKA SINGH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	30	24	100
9	20181PET0075	RASHIQUE SHAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	90
10	20181PET0078	SAHANA K	1	1	1	1	1	1	A	A	A	1	1	1	1	1	1	1	1	1	1	A	A	A	1	1	1	1	1	1	1	1	1	1	30	24	100
11	20181PET0099	THEJAS J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90
12	20181PET0100	THIRUNAVUKARASU V T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	A	1	A	1	A	1	A	1	A	1	1	1	1	30	30	100
13	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
14	20181PET0111	THORANASHREE R	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	90
15	20181PET0114	RUSHIKA G J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
16	20181PET9005	SNEHA T H	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90
17	20191PET0015	GILAKA PAVAN	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	90
18	20191PET0019	KADIRI LALITHA	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	100
19	20191PET0022	KUSHAL K	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
20	20191PET0023	M MOHAMED ALFIATH	1	1	1	1	1	1	A	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	A	1	A	30	27	90
21	20191PET0024	MIDHUN M M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
22	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	A	A	1	1	A	A	1	1	A	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	30	22	100
23	20191PET0051	SHANK MUSTAK	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	21	70
24	20191PET0059	THOTA GUNJI NAGA MURARI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100



*Signature*

Signature of Instructor In-charge

*Signature*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Value Added Course Marksheets**  
**School of Engineering**

Course Code :		PET V 015		Academic Year :			2020-2021	
Course Name :		Industrial Waste Water Treatment and Management			Semester :		EVEN	
					Instructor In-charge Name :		Dr. Kalpajit Hazarika	
					Instructor In-charge Employee ID :		PUNIV01078	
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/SoL etc)	Attendance (In %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20181PET0049	MOHAMMED AFSER	SoE	90	50	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20181PET9015	NIKHIL SAI	SoE	70	0	No	
3		20181PET0093	SYED SHAH KHURSHEED ALI	SoE	100	45	No	
4		20181PET0027	GUNA K	SoE	80	70	Yes	
5		20181PET0048	MOHAMED AHMED	SoE	100	12	No	
6		20181PET0050	MOHAMMED AMAN FAHAD	SoE	100	29	No	
7		20181PET0056	MUNNAM VENKATA KISHORE REDDY	SoE	100	35	No	
8		20181PET0068	PRIYANKA SINGH	SoE	100	77	Yes	
9		20181PET0075	RASHIQUE SHAH	SoE	90	75	Yes	
10		20181PET0078	SAHANA K	SoE	100	60	Yes	
11		20181PET0099	THEJAS J	SoE	90	50	Yes	
12		20181PET0100	THIRUNAVUKARASU V T	SoE	100	71	Yes	
13		20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	SoE	100	58	Yes	
14		20181PET0111	THORANASHREE R	SoE	90	12	No	
15		20181PET0114	RUSHIKA G J	SoE	100	74	Yes	
16		20181PET9005	SNEHA T H	SoE	90	13	No	
17		20191PET0015	GILAKA PAVAN	SoE	90	45	No	
18		20191PET0019	KADIRI LALITHA	SoE	100	74	Yes	
19		20191PET0022	KUSHAL K	SoE	100	40	No	
20		20191PET0023	M MOHAMED ALFIATH	SoE	90	65	Yes	
21		20191PET0024	MIDHUN M M	SoE	100	71	Yes	
22		20191PET0026	MOHAMED MUNAWAR HUSSAIN M	SoE	100	45	No	
23		20191PET0051	SHAIK MUSTAK	SoE	70	0	No	
24		20191PET0059	THOTA GUNA NAGA MURARI	SoE	100	50	Yes	

Name of Course Instructor: Dr. Kalpajit Hazarika  
Employee ID of Course Instructor: PUNIV01078



Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Drilling Fluid
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement
<b>Course Code</b>	: PET V016
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Mr. Bhairab Jyoti Gogoi
<b>Course Instructor(s)</b>	: Mr. Bhairab Jyoti Gogoi (Department of PET)

### Course Description:

The main objective of this course is to motivate students to become more towards environment and waste management. The topics covers study about the various waste produce in domestic, agriculture and industrial waste and how to process those waste so that we can use it Drilling fluid system. Hands-on laboratory exercises will take participants through a comprehensive look at the processing of the waste.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Study about various waste produce in domestic, agriculture and industry.

CO2: Processing of waste

CO3: Experimentation investigation of drilling fluid properties

### Course Content:

#### Module 1: Introduction to Environmental Science

Environment, its component, environmental science, sphere, natural resources, environmental degradation

#### Module 2: Characteristics of Waste.

The Steps involved in waste management, what are the various sources of waste? Various ways of waste classification, the importance of waste management and the health hazard associated with improper waste management.

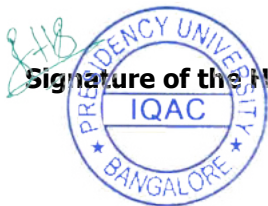
#### Module 3: Collection, Sorting and Transfer of Waste

Collection of different waste from agriculture, domestic and industrial source, process these waste, utilize it as an additive in drilling fluid and evaluate the properties.

Signature of the Instructor In-charge:



Signature of the HOD:



REGISTRAR



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

<b>VAC Student List: PET V016 - Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement</b>			
<b>S. No.</b>	<b>Student ID No.</b>	<b>Student Name</b>	<b>Login Id</b>
1	20201LPE0001	SAI PRANAV	20201LPE0001@presidencyuniversity.in
2	20181PET0054	MOHAMMED ZAIN	20181PET0054@presidencyuniversity.in
3	20181PET0071	RAHMATHULLA SHARIFF	20181PET0071@presidencyuniversity.in
4	20181PET0075	RASHIQUE SHAH	20181PET0075@presidencyuniversity.in
5	20191PET0035	MOHAMMED UZMAIR M	20191PET0035@presidencyuniversity.in
6	20191PET0036	MOHAMMED ZAIN Y C	20191PET0036@presidencyuniversity.in
7	20191PET0043	RISHU SINGH	20191PET0043@presidencyuniversity.in
8	20191PET0059	THOTA GUNA NAGA MURARI	20191PET0059@presidencyuniversity.in
9	20191PET0061	UPPARAPALLY DIVAKAR REDDY	20191PET0061@presidencyuniversity.in
10	20191PET0062	VEMULA PRASHANTH	20191PET0062@presidencyuniversity.in



Instructor In-charge



HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

**VAC Details:**

Duration: 30 Hours

Course Code with Course Name: Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement

Name of Instructor In-charge: Mr. Bhairab Jyoti Gogoi

S. No.	Student ID No.	Student Name	4-Mar-21	5-Mar-21	6-Mar-21	11-Mar-21	12-Mar-21	13-Mar-21	18-Mar-21	19-Mar-21	20-Mar-21	25-Mar-21	26-Mar-21	27-Mar-21	8-Apr-21	9-Apr-21	10-Apr-21	15-Apr-21	16-Apr-21	17-Apr-21	22-Apr-21	23-Apr-21	24-Apr-21	29-Apr-21	30-Apr-21	1-May-21	6-May-21	7-May-21	8-May-21	13-May-21	14-May-21	15-May-21	Total classes conducted	Total classes attended	Percentage attended
			5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM	5PM-6PM			
1	20201LPE0001	SAI PRANAV	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	29	97
2	20181PET0054	MOHAMMED ZAIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
3	20181PET0071	RAHMATHULLA SHARIFF	A	A	A	1	1	1	A	1	1	1	1	1	1	A	A	1	A	1	1	1	1	1	1	A	1	1	1	1	1	A	30	21	70
4	20181PET0075	RASHIQUE SHAH	1	1	A	A	A	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	A	A	A	30	21	70
5	20191PET0035	MOHAMMED UZMAIR M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100
6	20191PET0036	MOHAMMED ZAIN Y C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0
7	20191PET0043	RISHU SINGH	A	A	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	25	83
8	20191PET0059	THOTA GUNA NAGA MURARI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0
9	20191PET0061	UPPARAPALLY DIVAKAR REDDY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0
10	20191PET0062	VEMULA PRASHANTH	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0

Signature of Instructor In-charge



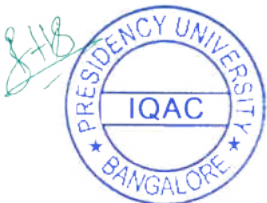


**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V016			Academic Year :				2020-2021			
Course Name :		Application of Agricultural Industrial Domestic Waste in Drilling Fluid Property Enhancement			Semester :				EVEN / SUMMER TERM			
					Instructor In-charge Name :				Mr. Bhairab Jyoti Gogoi			
					Instructor In-charge Employee ID :				PUNIV00454			
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark				
1		20201LPE0001	SAI PRANAV	SoE	100	77	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.				
2		20181PET0054	MOHAMMED ZAIN	SoE	100	85	Yes					
3		20181PET0071	RAHMATHULLA SHARIFF	SoE	100	91	Yes					
4		20181PET0075	RASHIQUE SHAH	SoE	100	91	Yes					
5		20191PET0035	MOHAMMED UZMAIR M	SoE	100	82	Yes					
6		20191PET0036	MOHAMMED ZAIN Y C	SoE	0	0	No					
7		20191PET0043	RISHU SINGH	SoE	100	70	Yes					
8		20191PET0059	THOTA GUNA NAGA MURARI	SoE	16	0	No					
9		20191PET0061	UPPARAPALLY DIVAKAR REDDY	SoE	6	0	No					
10		20191PET0062	VEMULA PRASHANTH	SoE	20	6	No					

Name of Course Instructor: Mr. Bhairab Jyoti Gogoi  
Employee ID of Course Instructor: PUNIV00454

Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Energy Management
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Energy Conservation Management and Audit
<b>Course Code</b>	: PET V017
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Mr. Ankur Neog
<b>Course Instructor(s)</b>	: Mr. Ankur Neog (Department of PET)

### Course Description:

Introduction to the Course: The purpose of this course is to understand the status of energy sector with respect to management and audit. The overall theme of the course is to emphasize the process of thinking: qualitatively and quantitatively; strategically, using concrete; real-life practical examples. The course is theoretical in nature. The course develops the critical thinking and analytical skills.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: To identify the main energy consuming areas/plant items to be surveyed during the audit.

CO2: To identify any existing instrumentation/ additional metering required

CO3: Discuss factors affecting planning and implementation of energy management

CO4: Describe priorities of sustainable energy development.

### Course Content:

Topics include Definition, Energy audit- need, Types of energy audit, Energy management (audit) approach-understanding energy costs, Bench marking, Energy performance, Matching energy use to requirement, Maximizing system efficiencies, Optimizing the input energy requirements, Fuel and energy substitution, Energy audit instruments.

Signature of the Instructor In-charge:

Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V017 - Energy Conservation Management and Audit**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0074	RAHUL CHANDRAN	20171PET0074@presidencyuniversity.in
2	20181CSE0116	BRIAN PAUL	20181CSE0116@presidencyuniversity.in
3	20181PET0015	AYAN ASSADI	20181PET0015@presidencyuniversity.in
4	20181PET0024	FAIZANULLA MEER	20181PET0024@presidencyuniversity.in
5	20181PET0072	RAHUL KUMAR DASH	20181PET0072@presidencyuniversity.in
6	20181PET0086	SHWETHA G	20181PET0086@presidencyuniversity.in
7	20181PET0089	SYED MAHEEN	20181PET0089@presidencyuniversity.in
8	20181PET0094	SYED SUFYAAN Z	20181PET0094@presidencyuniversity.in
9	20181PET0096	SYED ZAIN	20181PET0096@presidencyuniversity.in
10	20181PET9003	MOHAMMED DANISH KAMAL	20181PET9003@presidencyuniversity.in
11	20191PET0001	AHIL SHA MC	20191PET0001@presidencyuniversity.in
12	20191PET0002	AKASH S	20191PET0002@presidencyuniversity.in
13	20191PET0004	ASHWIN RAJ R	20191PET0004@presidencyuniversity.in
14	20191PET0013	FIROZA SHEIKH	20191PET0013@presidencyuniversity.in
15	20191PET0014	GANESH KUMAR POTHAN	20191PET0014@presidencyuniversity.in
16	20191PET0018	JESWIN JAVAD	20191PET0018@presidencyuniversity.in
17	20191PET0021	KRITIKA	20191PET0021@presidencyuniversity.in
18	20191PET0030	MOHAMMED ISHAQ	20191PET0030@presidencyuniversity.in
19	20191PET0041	P SUHAIL AHMED	20191PET0041@presidencyuniversity.in
20	20191PET0055	TANIYA K G	20191PET0055@presidencyuniversity.in
21	20191PET0057	TAUSEEF NAZIR	20191PET0057@presidencyuniversity.in
22	20191PET0067	SHAIK MUJEEBUR REHAMAN	20191PET0067@presidencyuniversity.in
23	20191PET9003	RAJU HANSDA	20191PET9003@presidencyuniversity.in
24	20201LPE0001	SAI PRANAV	20201LPE0001@presidencyuniversity.in
25	20191PET0010	ELGIN PAUL	20191PET0010@presidencyuniversity.in
26	20191PET0025	MIDHUN SUBHASH	20191PET0025@presidencyuniversity.in

*Ankur Neogy*

Instructor In-charge

*Paul*

HOD-PET



**Presidency University, Bengaluru**  
**School of Engineering**  
**Department of Petroleum Engineering**

**Attendance for Value Added Course (VAC)**

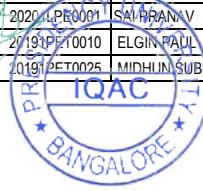
**VAC Details:**

Duration: 30 Hours

Course Code with Course Name: PET V017 - Energy Conservation Management and Audit

Name of Instructor In-charge: Mr. Ankur Neog

S. No.	Student ID No.	Student Name	6-Feb-21	6-Feb-21	6-Feb-21	13-Feb-21	13-Feb-21	13-Feb-21	20-Feb-21	20-Feb-21	20-Feb-21	20-Feb-21	27-Feb-21	27-Feb-21	27-Feb-21	6-Mar-21	6-Mar-21	6-Mar-21	13-Mar-21	13-Mar-21	13-Mar-21	20-Mar-21	20-Mar-21	20-Mar-21	27-Mar-21	27-Mar-21	27-Mar-21	10-Apr-21	10-Apr-21	10-Apr-21	27-Apr-21	27-Apr-21	27-Apr-21	Total classes conducted	Total classes attended	Percentage attended
			9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM	9AM-10AM	10AM-11AM	11AM-12PM				
1	20171PET0074	RAHUL CHANDRAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
2	20181CSE0116	BRIAN PAUL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
3	20181PET0015	AYAN ASSADI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
4	20181PET0024	FAIZANULLA MEER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
5	20181PET0072	RAHUL KUMAR DASH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
6	20181PET0086	SHWETHA G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
7	20181PET0089	SYED MAHEEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
8	20181PET0094	SYED SUFYAAN Z	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
9	20181PET0096	SYED ZAIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
10	20181PET9003	MOHAMMED DANISH KAMAL	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
11	20191PET0001	AHIL SHA MC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	8	100.00
12	20191PET0002	AKASH S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
13	20191PET0004	ASHWIN RAJ R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
14	20191PET0013	FIROZA SHEIKH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
15	20191PET0014	GANESH KUMAR POTHAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
16	20191PET0018	JESWIN JAVAD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
17	20191PET0021	KRIKKA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
18	20191PET0030	MOHAMMED ISHAQ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
19	20191PET0041	P SUHAIL AHMED	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
20	20191PET0055	TANIYA K G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100.00
21	20191PET0057	TAUSEEF NAZIR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90.00
22	20191PET0067	SHAIK MUJEEBUR REHAMAN	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
23	20191PET9003	RAJUL HANSDA	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
24	20201PE0001	SAMIRAN V	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
25	20191PET0010	ELGIN PAUL	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00
26	20191PET0025	MIDHUN SUBHASH	A	A	1	1	1	A	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80.00



*Ankur Neog*  
 Signature of Instructor In-charge

*Sanne*  
 REGISTRAR  
 PRESIDENCY UNIVERSITY  
 REGISTRAR  
 BANGALORE

**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V017			Academic Year :				2020-2021
Course Name :		Energy Conservation Management and Audit			Semester :				EVEN
					Instructor In-charge Name :				Mr. Ankur Neog
					Instructor In-charge Employee ID :				PUNIV01084
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark	
1		20171PET0074	RAHUL CHANDRAN	SoE	100	76	Yes	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.	
2		20181CSE0116	BRIAN PAUL	SoE	90	88	Yes		
3		20181PET0015	AYAN ASSADI	SoE	100	76	Yes		
4		20181PET0024	FAIZANULLA MEER	SoE	90	80	Yes		
5		20181PET0072	RAHUL KUMAR DASH	SoE	100	78	Yes		
6		20181PET0086	SHWETHA G	SoE	100	58	Yes		
7		20181PET0089	SYED MAHEEN	SoE	90	90	Yes		
8		20181PET0094	SYED SUFYAAN Z	SoE	100	80	Yes		
9		20181PET0096	SYED ZAIN	SoE	90	84	Yes		
10		20181PET9003	MOHAMMED DANISH KAMAL	SoE	80	68	Yes		
11		20191PET0001	AHIL SHA MC	SoE	100	78	Yes		
12		20191PET0002	AKASH S	SoE	90	86	Yes		
13		20191PET0004	ASHWIN RAJ R	SoE	100	78	Yes		
14		20191PET0013	FIROZA SHEIKH	SoE	100	88	Yes		
15		20191PET0014	GANESH KUMAR POTHAN	SoE	90	86	Yes		
16		20191PET0018	JESWIN JAVAD	SoE	100	80	Yes		
17		20191PET0021	KRITIKA	SoE	90	84	Yes		
18		20191PET0030	MOHAMMED ISHAQ	SoE	90	78	Yes		
19		20191PET0041	P SUHAIL AHMED	SoE	100	80	Yes		
20		20191PET0055	TANIYA K G	SoE	100	82	Yes		
21		20191PET0057	TAUSEEF NAZIR	SoE	90	66	Yes		
22		20191PET0067	SHAIK MUJEEBUR REHAMAN	SoE	80	80	Yes		
23		20191PET9003	RAJU HANSDA	SoE	80	50	Yes		
24		20201LPE0001	SAI PRANAV	SoE	80	80	Yes		
25		20191PET0010	ELGIN PAUL	SoE	80	0	No		
26		20191PET0025	MIDHUN SUBHASH	SoE	80	0	No		

Name of Course Instructor 1: Mr. Ankur Neog  
Employee ID of Course Instructor 1: PUNIV01084

*Ankur Neog*

Signature of Instructor In-charge



<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Reservoir Simulation
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Fluid Characterization using CMG WINPROP
<b>Course Code</b>	: PET V018
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Mr. Sugat Srivastava
<b>Course Instructor(s)</b>	: Mr. Sugat Srivastava (Department of PET)

### Course Description:

The main aim of this course is to understand reservoir engineering simulation using software's. Solution of production and reservoir engineering problems using state-of-the-art commercial reservoir simulation software, using data commonly available in industry; emphasis on reservoir description, reservoir model design and calibration, production forecasting and optimization, economic analysis and decision making under uncertainty.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

- CO1: Explain reservoir simulation fundamentals- the underlying equations, the numerical techniques used to solve them and History matching.
- CO2: Design a reservoir simulation model, construct the data set, execute the simulator, and view simulation results visually using software
- CO3: Predict and optimize future performance of petroleum reservoirs using reservoir simulation and economic models
- CO4: Explain advanced reservoir simulation modelling using Winprop.

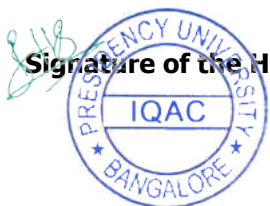
### Course Content:

Topics include Modelling techniques through field life, Introduction to reservoir simulation, Modelling Types and Applications, Description in Modelling-Reservoir geometry and Continuity, Uncertainty in reservoir model description; Numerical Discretization, Grids, Reservoir Simulation Elements, Numerical Techniques and approaches, Equations Of Multiphase Flow, Fundamentals—Black Oil and Compositional Model, History Matching.

Signature of the Instructor In-charge:



Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V018 - Fluid Characterization using CMG WINPROP**

S. No.	Student ID No.	Student Name	Login Id
1	20181PET9014	JOE SEN SEBY	20181PET9014@presidencyuniversity.in
2	20181PET0049	MOHAMMED AFSER	20181PET0049@presidencyuniversity.in
3	20181PET9015	NIKHIL SAI	20181PET9015@presidencyuniversity.in
4	20171PET0023	C A TAUHEED	20171PET0023@presidencyuniversity.in
5	20171PET0051	MOHAMMED RIYAN	20171PET0051@presidencyuniversity.in
6	20171PET0065	NIKITH B	20171PET0065@presidencyuniversity.in
7	20181PET0002	AASHISH	20181PET0002@presidencyuniversity.in
8	20181PET0004	ABHIJEET KARNAL	20181PET0004@presidencyuniversity.in
9	20181PET0005	ABHISHEK S KRISHNA	20181PET0005@presidencyuniversity.in
10	20181PET0008	ALTAMISH AHMED PAKEER	20181PET0008@presidencyuniversity.in
11	20181PET0010	ARAVIND M	20181PET0010@presidencyuniversity.in
12	20181PET0017	BOINA SATYA SAI VENKATA DURGA PAVAN KUMAR	20181PET0017@presidencyuniversity.in
13	20181PET0018	C A MUEEZ	20181PET0018@presidencyuniversity.in
14	20181PET0019	CHAGANI RANGA REDDY	20181PET0019@presidencyuniversity.in
15	20181PET0020	CHILLAPALLI BALAJI NIHANTH	20181PET0020@presidencyuniversity.in
16	20181PET0035	KISHAN KUMAR	20181PET0035@presidencyuniversity.in
17	20181PET0040	LIKHITHA D S	20181PET0040@presidencyuniversity.in
18	20181PET0044	MD NAQUEEB ANWAR	20181PET0044@presidencyuniversity.in
19	20181PET0048	MOHAMED AHMED	20181PET0048@presidencyuniversity.in
20	20181PET0050	MOHAMMED AMAN FAHAD	20181PET0050@presidencyuniversity.in
21	20181PET0055	MUHAMMED ARIF	20181PET0055@presidencyuniversity.in
22	20181PET0056	MUNNAM VENKATA KISHORE REDDY	20181PET0056@presidencyuniversity.in
23	20181PET0057	NBS MAHESH	20181PET0057@presidencyuniversity.in
24	20181PET0060	ABHINASH PALAGANI	20181PET0060@presidencyuniversity.in
25	20181PET0062	PARVEZ PASHA	20181PET0062@presidencyuniversity.in
26	20181PET0066	PRISTON LAWRENCE LEWIS	20181PET0066@presidencyuniversity.in
27	20181PET0067	PRITTHA ROY CHOWDHURY	20181PET0067@presidencyuniversity.in
28	20181PET0076	S MOHAMMED MAASE	20181PET0076@presidencyuniversity.in
29	20181PET0077	SADHANA B	20181PET0077@presidencyuniversity.in
30	20181PET0081	SANDUPATLA VENKATA BHANU PRAKASH	20181PET0081@presidencyuniversity.in
31	20181PET0090	SYED MANJARUL ISLAM	20181PET0090@presidencyuniversity.in
32	20181PET0091	SYED RIFATHULLA	20181PET0091@presidencyuniversity.in
33	20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	20181PET0101@presidencyuniversity.in
34	20181PET9007	IBRAHIM ALI BAIG MIRZA	20181PET9007@presidencyuniversity.in
35	20181PET9012	TOM MATHEW KURIAM	20181PET9012@presidencyuniversity.in
36	20191PET0001	AHIL SHA MC	20191PET0001@presidencyuniversity.in
37	20191PET0002	AKASH S	20191PET0002@presidencyuniversity.in
38	20191PET0004	ASHWIN RAJ R	20191PET0004@presidencyuniversity.in
39	20191PET0005	ASHWIN K S	20191PET0005@presidencyuniversity.in

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40	20191PET0010	ELGIN PAUL	20191PET0010@presidencyuniversity.in
41	20191PET0013	FIROZA SHEIKH	20191PET0013@presidencyuniversity.in
42	20191PET0014	GANESH KUMAR POTHAN	20191PET0014@presidencyuniversity.in
43	20191PET0018	JESWIN JAVAD	20191PET0018@presidencyuniversity.in
44	20191PET0019	KADIRI LALITHA	20191PET0019@presidencyuniversity.in
45	20191PET0023	M MOHAMED ALFIATH	20191PET0023@presidencyuniversity.in
46	20191PET0025	MIDHUN SUBHASH	20191PET0025@presidencyuniversity.in
47	20191PET0030	MOHAMMED ISHAQ	20191PET0030@presidencyuniversity.in
48	20191PET0035	MOHAMMED UZMAIR M	20191PET0035@presidencyuniversity.in
49	20191PET0041	P SUHAIL AHMED	20191PET0041@presidencyuniversity.in
50	20191PET0048	SAMEER MUHAMMED	20191PET0048@presidencyuniversity.in
51	20191PET0056	TARUN KUMAR A	20191PET0056@presidencyuniversity.in
52	20191PET0060	THUFAIL MAJEED A M	20191PET0060@presidencyuniversity.in

*Sugat*

Instructor In-charge

*Paul*

HOD-PET



Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V018 - Fluid Characterization using CMG WINPROP

Name of Instructor In-charge: Mr. Sugat Srivastava

S. No.	Student ID No.	Student Name	6-Feb-21	6-Feb-21	6-Feb-21	13-Feb-21	13-Feb-21	13-Feb-21	20-Feb-21	20-Feb-21	20-Feb-21	27-Feb-21	27-Feb-21	27-Feb-21	6-Mar-21	6-Mar-21	6-Mar-21	13-Mar-21	13-Mar-21	13-Mar-21	20-Mar-21	20-Mar-21	20-Mar-21	27-Mar-21	27-Mar-21	27-Mar-21	10-Apr-21	10-Apr-21	10-Apr-21	27-Apr-21	27-Apr-21	27-Apr-21	Total classes conducted	Total classes attended	Percentage attended			
			3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM	3PM-4PM	4PM-5PM	5PM-6PM						
1	20181PET9014	JOE SEN SEBY	A	A			A	A					A																				30	25	83.33			
2	20181PET0049	MOHAMMED AFSEER	A	A			A	A					A																				30	24	80.00			
3	20181PET9015	NIKHIL SAI																															30	30	100.00			
4	20171PET0023	C A TAUHEED											A																				30	26	86.67			
5	20171PET0051	MOHAMMED RIYAN																																30	29	96.67		
6	20171PET0065	NIKITH B																																30	29	96.67		
7	20181PET0002	AASHISH																																30	30	100.00		
8	20181PET0004	ABHIJEET KARNAL	A	A					A				A																					30	26	86.67		
9	20181PET0005	ABHISHEK S KRISHNA	A	A					A				A																						30	26	86.67	
10	20181PET0008	ALTAMISH AHMED PAKEER	A	A					A	A				A	A																				30	24	80.00	
11	20181PET0010	ARAVIND M																																	30	30	100.00	
12	20181PET0017	BOINA SATYA SAI VENKATA DURGA PAVAN KUMAR		A				A	A					A																					30	24	80.00	
13	20181PET0018	C A MUEEZ																																		30	27	90.00
14	20181PET0019	CHAGANI RANGA REDDY																																		30	29	96.67
15	20181PET0020	CHILLAPALLI BALAJI NIHANTH																																		30	28	93.33
16	20181PET0035	KISHAN KUMAR																																		30	30	100.00
17	20181PET0040	LIKHITHA D S		A										A																						30	24	80.00
18	20181PET0044	MD NAQUEEB ANWAR		A										A																						30	24	80.00
19	20181PET0048	MOHAMED AHMED		A										A																						30	26	86.67
20	20181PET0050	MOHAMMED AMAN FAHAD	A	A										A																						30	25	83.33
21	20181PET0055	MUHAMMED ARIF	A	A										A																						30	25	83.33
22	20181PET0056	MUNNAM VENKATA KISHORE REDDY	A	A										A																						30	25	83.33
23	20181PET0057	NBS MAHESH	A	A										A	A																					30	30	100.00
24	20181PET0060	ABHINAV PALAGANI	A	A										A	A																					30	29	96.67
25	20181PET0062	PARVEZ PASHA													A	A																				30	27	90.00
26	20181PET0066	FRISTON LAWRANCE LEWIS	A	A										A	A																					30	30	100.00
27	20181PET0067	FRITHA ROY CHOWDHURY		A										A																						30	26	86.67
28	20181PET0075	S MOHAMMED MAASE																																		30	29	96.67
29	20181PET0077	SADHANA B																																		30	27	90.00

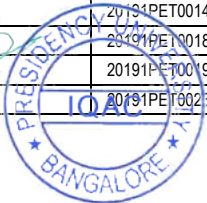
REGISTRAR





**Presidency University, Bengaluru**  
**Value Added Course Marksheets**  
**School of Engineering**

Course Code :		PET V018		Academic Year :			2020-2021	
Course Name :		Fluid Characterization using CMG WINPROP		Semester :			EVEN	
				Instructor In-charge Name :			Mr. Sugat Srivastava	
				Instructor In-charge Employee ID :			PUNIV01135	
S. No.	UID No.	Roll No.	Name	School (e.g. SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20181PET9014	JOE SEN SEBY	SoE	83	96	Yes	Students who secured minimum 50% marks and maintained minimum 60% attendance are made eligible for certificate.
2		20181PET0049	MOHAMMED AFSER	SoE	80	93	Yes	
3		20181PET9015	NIKHIL SAI	SoE	100	95	Yes	
4		20171PET0023	C A TAUHEED	SoE	87	92	Yes	
5		20171PET0051	MOHAMMED RIYAN	SoE	97	91	Yes	
6		20171PET0065	NIKITH B	SoE	97	92	Yes	
7		20181PET0002	AASHISH	SoE	100	89	Yes	
8		20181PET0004	ABHIJEET KARNAL	SoE	87	94	Yes	
9		20181PET0005	ABHISHEK S KRISHNA	SoE	87	83	Yes	
10		20181PET0008	ALTAMISH AHMED PAKEER	SoE	80	87	Yes	
11		20181PET0010	ARAVIND M	SoE	100	90	Yes	
12		20181PET0017	BOINA SATYA SAI VENKATA DURGA PAVAN KUMAR	SoE	80	87	Yes	
13		20181PET0018	C A MUEEZ	SoE	90	84	Yes	
14		20181PET0019	CHAGANI RANGA REDDY	SoE	97	84	Yes	
15		20181PET0020	CHILLAPALLI BALAJI NIHANTH	SoE	93	99	Yes	
16		20181PET0035	KISHAN KUMAR	SoE	100	96	Yes	
17		20181PET0040	LIKHITHA D S	SoE	80	98	Yes	
18		20181PET0044	MD NAQUEEB ANWAR	SoE	80	92	Yes	
19		20181PET0048	MOHAMED AHMED	SoE	87	92	Yes	
20		20181PET0050	MOHAMMED AMAN FAHAD	SoE	83	89	Yes	
21		20181PET0055	MUHAMMED ARIF	SoE	83	89	Yes	
22		20181PET0056	MUNNAM VENKATA KISHORE REDDY	SoE	83	97	Yes	
23		20181PET0057	NBS MAHESH	SoE	100	82	Yes	
24		20181PET0060	ABHINASH PALAGANI	SoE	97	81	Yes	
25		20181PET0062	PARVEZ PASHA	SoE	90	97	Yes	
26		20181PET0066	PRISTON LAWRENCE LEWIS	SoE	100	95	Yes	
27		20181PET0067	PRITTHA ROY CHOWDHURY	SoE	87	98	Yes	
28		20181PET0076	S MOHAMMED MAASE	SoE	97	84	Yes	
29		20181PET0077	SADHANA B	SoE	90	90	Yes	
30		20181PET0081	SANDUPATLA VENKATA BHANU PRAKASH	SoE	100	100	Yes	
31		20181PET0090	SYED MANJARUL ISLAM	SoE	80	80	Yes	
32		20181PET0091	SYED RIFATHULLA	SoE	93	95	Yes	
33		20181PET0101	UMMADISETTY NAGA DURGA CHAITANYA	SoE	83	99	Yes	
34		20181PET9007	IBRAHIM ALI BAIG MIRZA	SoE	100	80	Yes	
35		20181PET9012	TOM MATHEW KURIAM	SoE	97	87	Yes	
36		20191PET0001	AHIL SHA MC	SoE	93	87	Yes	
37		20191PET0002	AKASH S	SoE	90	82	Yes	
38		20191PET0004	ASHWIN RAJ R	SoE	100	86	Yes	
39		20191PET0005	ASWIN K S	SoE	100	97	Yes	
40		20191PET0010	ELGIN PAUL	SoE	87	80	Yes	
41		20191PET0013	FIROZA SHEIKH	SoE	83	95	Yes	
42		20191PET0014	GANESH KUMAR POTHAN	SoE	100	84	Yes	
43		20191PET0018	JESWIN JAVAD	SoE	100	100	Yes	
44		20191PET0019	KADIRI LALITHA	SoE	100	90	Yes	
45		20191PET0023	M MOHAMED ALFIATH	SoE	93	94	Yes	

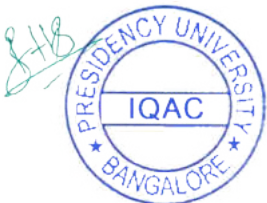


46		20191PET0025	MIDHUN SUBHASH	SoE	93	82	Yes
47		20191PET0030	MOHAMMED ISHAQ	SoE	90	81	Yes
48		20191PET0035	MOHAMMED UZMAIR M	SoE	100	80	Yes
49		20191PET0041	P SUHAIL AHMED	SoE	97	84	Yes
50		20191PET0048	SAMEER MUHAMMED	SoE	90	85	Yes
51		20191PET0056	TARUN KUMAR A	SoE	87	82	Yes
52		20191PET0060	THUFAIL MAJEED A M	SoE	93	92	Yes

Name of Course Instructor: Mr. Sugat Srivastava  
Employee ID of Course Instructor: PUNIV01135

*Sugat*

Signature of Instructor In-charge





<b>School</b>	: School of Engineering
<b>Department</b>	: Department of Petroleum Engineering
<b>Area of Specialization</b>	: Policy Making
<b>Course Type</b>	: Value Added Course (VAC)
<b>Course Title</b>	: Petroleum Rules, Acts and Agencies
<b>Course Code</b>	: PET V019
<b>Course Duration</b>	: 30 Hours
<b>Academic Year / Semester</b>	: 2020-2021 / EVEN
<b>Course Instructor In-charge</b>	: Mr. Anmol Bhargava
<b>Course Instructor(s)</b>	: Mr. Anmol Bhargava (Department of PET)

### Course Description:

The purpose of this course is to understand the status of oil sector with respect to Policies, Acts and Agencies. The overall theme of the course is to emphasize the process of thinking: qualitatively and quantitatively; strategically, using concrete; real-life practical examples. The course is theoretical in nature. The course develops the critical thinking and analytical skills.

### Course Outcomes (COs):

On successful completion of the course, the student shall be able to:

CO1: Review of Petroleum Exploration rules from Ministries.

CO2: Explain various Profitability Indicators for viability of project

CO3: Discuss about the Petroleum Policies, Rules, Acts and Agencies

CO4: Explain Risk Management in Petroleum Exploration.

### Course Content:

Topics include Introduction and Basic Definitions- Valuation of Assets Using Depreciation and Depletion: General Outlook- Methods for Determining Depreciation: Straight-Line Depreciation (S.L.D.); Declining Balance Depreciation (D.B.D.); Sum-of-the-Digits Depreciation (S.D.D.); Sinking Fund Depreciation (S.F.D.)- Methods for Determining Depletion: Background-Methods.

Signature of the Instructor In-charge:


Signature of the HOD:



**Presidency University, Bengaluru**  
**Department of Petroleum Engineering**  
**School of Engineering**

**VAC Student List: PET V019 - Petroleum Rules, Acts and Agencies**

S. No.	Student ID No.	Student Name	Login Id
1	20171PET0095	SUHAIR AHMED	20171PET0095@presidencyuniversity.in
2	20171PET0097	SYED SUHAIL AHMED F	20171PET0097@presidencyuniversity.in
3	20181PET0002	AASHISH	20181PET0002@presidencyuniversity.in
4	20181PET0004	ABHIJEET KARNAL	20181PET0004@presidencyuniversity.in
5	20181PET0008	ALTAMISH AHMED PAKEER	20181PET0008@presidencyuniversity.in
6	20181PET0044	MD NAQUEEB ANWAR	20181PET0044@presidencyuniversity.in
7	20181PET9012	TOM MATHEW KURIAN	20181PET9012@presidencyuniversity.in
8	20181PET0086	SHWETHA G	20181PET0086@presidencyuniversity.in
9	20181PET9014	JOE SEN SEBY	20181PET9014@presidencyuniversity.in
10	20191PET0015	GILAKA PAVAN	20191PET0015@presidencyuniversity.in
11	20191PET0036	MOHAMMED ZAIN Y C	20191PET0036@presidencyuniversity.in
12	20191PET0038	MOIDEEN ANSAF	20191PET0038@presidencyuniversity.in
13	20191PET0046	SAI DINESH M	20191PET0046@presidencyuniversity.in
14	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	20191PET0049@presidencyuniversity.in
15	20191PET0051	SHAIK MUSTAK	20191PET0051@presidencyuniversity.in
16	20191PET0055	TANIYA K G	20191PET0055@presidencyuniversity.in
17	20191PET0061	UPPARAPALLY DIVAKAR REDDY	20191PET0061@presidencyuniversity.in
18	20191PET0062	VEMULA PRASHANTH	20191PET0062@presidencyuniversity.in
19	20191PET0063	YADAVALI VENKAT	20191PET0063@presidencyuniversity.in
20	20191PET0068	RIZWAN	20191PET0068@presidencyuniversity.in
21	20191PET9002	PILLI KALYAN KUMAR	20191PET9002@presidencyuniversity.in
22	20191ISE0188	USHA SHREE S	20191ISE0188 @presidencyuniversity.in
23	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	20191PET0026@presidencyuniversity.in
24	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	20191PET0040@presidencyuniversity.in
25	20181PET0062	PARVEZ PASHA	20181PET0062@presidencyuniversity.in
26	20181PET0066	PRISTON LAWRENCE LEWIS	20181PET0066@presidencyuniversity.in

  
**Instructor In-charge**

  
**HOD-PET**





Presidency University, Bengaluru

School of Engineering

Department of Petroleum Engineering

Attendance for Value Added Course (VAC)

VAC Details:

Duration: 30 Hours

Course Code with Course Name: PET V019 - Petroleum Rules, Acts and Agencies

Name of Instructor In-charge: Mr. Anmol Bhargava

S. No.	Student ID No.	Student Name	6-Feb-21	6-Feb-21	13-Feb-21	13-Feb-21	27-Feb-21	27-Feb-21	6-Mar-21	6-Mar-21	20-Mar-21	20-Mar-21	27-Mar-21	27-Mar-21	3-Apr-21	3-Apr-21	10-Apr-21	10-Apr-21	17-Apr-21	17-Apr-21	24-Apr-21	24-Apr-21	8-May-21	8-May-21	15-May-21	15-May-21	22-May-21	22-May-21	29-May-21	29-May-21	5-Jun-21	5-Jun-21	Total classes conducted	Total classes attended	Percentage attended		
			5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM	5PM-6PM	6PM-7PM					
1	20171PET0095	SUHAIR AHMED	A	A	1	1	A	A	A	1	A	1	A	A	1	1	A	A	1	A	A	A	A	A	1	1	1	1	1	1	1	1	1	1	30	9	30
2	20171PET0097	SYED SUHAIL AHMED F	A	A	1	1	A	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	30	9	30
3	20181PET0002	AASHISH	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90	
4	20181PET0004	ABHIJEET KARNAL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100	
5	20181PET0008	ALTAMISH AHMED PAKEER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	30	24	80	
6	20181PET0044	MD NAQUEEB ANWAR	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90	
7	20181PET9012	TOM MATHEW KURIAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80	
8	20181PET0086	SHWETHA G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100	
9	20181PET9014	JOE SEN SEBY	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90	
10	20191PET0015	GILAKA PAVAN	A	A	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	12	40	
11	20191PET0036	MOHAMMED ZAIN Y C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0	
12	20191PET0038	MOIDEEN ANSAF	1	1	1	A	1	1	1	1	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	27	90	
13	20191PET0046	SAI DINESH M	1	1	1	1	1	1	1	A	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80	
14	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	30	100	
15	20191PET0051	SHAIK MUSTAK	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	A	1	A	1	1	A	A	A	A	A	1	1	30	6	20
16	20191PET0055	TANIYA K G	1	1	1	1	A	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80
17	20191PET0061	UPPARAPALLY DIVAKAR REDDY	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	A	1	A	1	A	1	1	A	A	A	A	1	1	30	6	20
18	20191PET0062	DEMULA PRASHANTH	A	A	A	A	A	A	A	1	1	A	1	1	A	A	A	A	1	1	1	A	A	A	A	1	A	1	1	1	1	1	1	30	12	40	
19	20191PET0063	YADAVALI VENKAT	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0	
20	20191PET0068	RIZWAN	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0	
21	20191PET0002	PILLI KALYAN KUMAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	A	A	A	1	A	A	1	A	A	A	A	30	3	10	
22	20191SE0188	USHA SHREE S	A	A	1	1	A	A	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	24	80	
23	20191PET0026	MOHAMMED MUNAWAR HUSSAIN M	A	A	A	A	1	A	A	A	1	A	A	A	1	A	A	A	1	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	4	13	
24	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	30	0	0	



*Anmol*  
Signature of Instructor In-charge

*Sanne*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

**Presidency University, Bengaluru**  
**Value Added Course Marksheet**  
**School of Engineering**

Course Code :		PET V019		Academic Year :		2020-2021		
Course Name :		Petroleum Rules, Acts and Agencies		Semester :		EVEN		
				Instructor In-charge Name :		Mr. Anmol Bhargava		
				Instructor In-charge Employee ID :		PUNIV01136		
S. No.	UID No.	Roll No.	Name	School SoE/Sol. etc)	Attendance (in %)	Marks out of 100	Eligible for Certificate (Yes/No)	Remark
1		20171PET0095	SUHAIR AHMED	SOE	30	0	No	Students who secured minimum 50% marks and maintained minimum 50% attendance are made eligible for certificate.
2		20171PET0097	SYED SUHAIL AHMED F	SOE	30	0	No	
3		20181PET0002	AASHISH	SOE	90	60	Yes	
4		20181PET0004	ABHIJEET KARNAL	SOE	100	51	Yes	
5		20181PET0008	ALTAMISH AHMED PAKEER	SOE	80	88	Yes	
6		20181PET0044	MD NAQUEEB ANWAR	SOE	90	69	Yes	
7		20181PET9012	TOM MATHEW KURIAN	SOE	80	18	No	
8		20181PET0086	SHWETHA G	SOE	100	39	No	
9		20181PET9014	JOE SEN SEBY	SOE	90	32	No	
10		20191PET0015	GILAKA PAVAN	SOE	40	47	No	
11		20191PET0036	MOHAMMED ZAIN Y C	SOE	0	0	No	
12		20191PET0038	MOIDEEN ANSAF	SOE	90	74	Yes	
13		20191PET0046	SAI DINESH M	SOE	80	38	No	
14		20191PET0049	SANAMPUDI VENKATA RAMI REDDY	SOE	100	85	Yes	
15		20191PET0051	SHAIK MUSTAK	SOE	20	18	No	
16		20191PET0055	TANIYA K G	SOE	80	80	Yes	
17		20191PET0061	UPPARAPALLY DIVAKAR REDDY	SOE	20	0	No	
18		20191PET0062	VEMULA PRASHANTH	SOE	40	43	No	
19		20191PET0063	YADAVALI VENKAT	SOE	0	0	No	
20		20191PET0068	RIZWAN	SOE	0	0	No	
21		20191PET9002	PILLI KALYAN KUMAR	SOE	10	18	No	
22		20191ISE0188	USHA SHREE S	SOE	80	52	Yes	
23		20191PET0026	MOHAMED MUNAWAR HUSSAIN M	SoE	13	18	No	
24		20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	SoE	0	0	No	

Name of Course Instructor: Mr. Anmol Bhargava  
Employee ID of Course Instructor: PUNIV01136



Signature of Instructor In-charge

