



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	EG01	<b>Date:</b>	14-03-2023 (Due date of submission) (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	ARTICLE WRITING
<b>Mode of Event:</b>	Online	<b>No. of Participant(s):</b>	28
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Palynomorph Darkness Index		
<b>Resource Person:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This article writing event was conducted to summarize and present the latest index to characterize the thermal maturity of source rock using Palynomorph Darkness Index with primary objective of improving employability skills of students.		

  
REGISTRAR  


Event Documents & Photo(s):



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

**40 YEARS**  
OF  
PROGRESS

### Department of Petroleum Engineering

Invites Applications for the Article Writing Competition On

## PET 2014: Geophysical methods for Oil and Gas Exploration

The event will be conducted to test the knowledge of students on the topic related to thermal maturity index and their applications with a primary objective of improving the employability skills of students

**Resource Person:**  
**Dr. Sidharth Gautam**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Fourth Semester student of Presidency University, Bengaluru


**Registration Process:**  
On Spot


**Last Date for Registration:** March 14, 2023  
**First Date of Instruction:** March 14, 2023  
**Last Date of Instruction:** March 14, 2023  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Roshan T, SPE Student Chapter  
Miss Vankala Jai Saphoorthi, SPE Student Chapter

**Faculty Coordinator:**  
Dr. Sidharth Gautam  
(e-mail: Sidharth.g@presidencyuniversity.in)

**Our Sponsors:**





Presidency University Bengaluru  
SPE Student Chapter

Presidency University Bengaluru Student Chapter

*Sidharth*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

### PET2014-CIA- 01 - Article Review Submission Link - Due date - 14/03/2023 (4.00 PM)





Announcement of CIA - 1 (PET2014) - Report Writing -  
Refer to e-resource (Wikipedia, Presidency University Library, Google, Science direct)  
Instructions :

**TOPIC - Palynomorph Darkness Index**  
**General Instruction:**

- Deadline: **14/03/2023 (04:00 PM)**
- Maximum word limit – 1500 words.
- The language should be English only.
- The article should be the original work of the student and it should not be copied from anywhere.
- The writing should not have grammatical error as well as overlapping of contents.
- There should be structural coherence. The introduction and conclusion of the essay should be proper and rational.
- The evaluation will be made on the basis of content, coverage, facts, writing spirit inclined towards the topic and logical presentation with due rationale.
- The decision of the Jury shall be final & binding on all the participants.

#### List of Participants:

SNo	ID Number	Name
1	20211PET0001	MOHAMED SAADULLAH S
2	20211PET0002	ROSHAN T
3	20211PET0003	SYED LUQMAN J
4	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI
5	20211PET0005	MOHAMMAD SUHAIL
6	20211PET0008	VANKALA JAI SPHOORTHY
7	20211PET0009	AFAEEZ .
8	20211PET0010	HITHESH T
9	20211PET0012	MOHAMED NAIF NIHAD ALI
10	20211PET0013	DEEPAK JADHAV
11	20211PET0014	DARSHAN
12	20211PET0015	MOHAMMAD YASIR BYAKOD
13	20211PET0016	ASMA
14	20211PET0017	IBRAHIM NAWAZ M
15	20211PET0018	SANDEEP IYAGAR
16	20211PET0019	KIRAN E
17	20211PET0020	YASHWANTH GOWDA M
18	20211PET0021	MAYUR P
19	20211PET0022	YASHWANTH S
20	20211PET0023	MOHAMMED SHABAZ KHALANDER D
21	20211PET0024	BOLLAMA REDDY HIMAVENKATA MANKANTHA
22	20211PET0025	FAZIL SHAREEF H A
23	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS
24	20211PET0027	SYED USMAN
25	20211PET0028	ZOYA FALAK

	26	20201PET0027	YARRAMSETTI CHAITANYA SRI	
	27	20191PET0050	SHAIK GOUSPEER VALI	
	28	20221LPE0001	SHAIK TABISH RIYAZAHMED	
<p><b>Participants Report:</b></p>	<div style="text-align: center;">  <h3>PRESIDENCY UNIVERSITY</h3> <p>Private University Estd. in Karnataka State by Act No. 41 of 2013</p> <p><b>BANGALORE</b></p>  </div> <p><b>PET2014: Geophysical Methods for Oil and Gas exploration</b> (Discipline elective Course)</p> <p><b>Article review writing:</b> Submission of e-resource Review Report along with a Screenshot of the Student visiting the e-resource</p> <p><b>By</b> V Jai Sphoorthi ID No.: 20211PET0008</p> <p><b>To</b> Dr. Sidharth Gautam Assistant Professor Department of Petroleum Engineering</p> <p>Announcement Date: 28<sup>th</sup> February 2023 Last Date for Assignment Submission: 14<sup>th</sup> March 2023</p> <p>Student Name: V Jai Sphoorthi Roll No.: 20211PET0008</p> <div style="text-align: right;">    </div>			



### PRESIDENCY UNIVERSITY

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

### BANGALORE



### TOPIC: Palynomorph Darkness Index (PDI) – a new technique for assessing thermal maturity

The colour of organic matter has long been used to assess the thermal maturity of sedimentary jewels, especially in the environment of hydrocarbon source gemstone examinations. Staplin's (1969) Thermal revision indicator (TAI) was the first of numerous schemes to characterise colour in terms of illustrated samples and/ or descriptions. Although utmost of these schemes employs numerical scales for colour orders, the figures used are simply markers with no quantitative significance. Transitions between colours have caused particular problems, leading workers to introduce intermediate classes similar as '2 ½' and '3b' to being schemes.

Varying perception of colour by different drivers is one major debit to all of the styles grounded on qualitative comparison. Another inversely serious problem is the inconsistency of published 'norms. numerous schemes are grounded on illustrations of morpho logically different palynomorph taxa, generally lacking clear description of the part of the palynomorph to be used. Attempts have been made to quantitatively de scribe palynomorph colour over a long period of time. Early exploration of light transmitted through palynomorphs used densitometry (e.g., Gutjahr 1966, Grayson) and spectral analysis (Smith 1983). The Commission Internationale de l'Eclairage (CIE) colour system has been used successfully by several workers, utmost specially Marshall (1991). This system defines colour in terms of three variables; X and Y, the value co-ordinates, and L, luminance; the total quantum of light determined by the transmittance or absorbance of the substance.

This fashion reduces platform dependence but requires a precious micro spectrophotometer. Yulee Tal. (1999) established 'spore transmittance St' as a completely quantitative measure of expressing spore colour, using a modified vitrinite reflectance microscope and photometer. This fairly sophisticated system is grounded on dimension of transmittance at three different wavelengths (450, 550 and nm) and integration of these results to produce a single indicator. The spore transmittance

Student Name: V Jai Sphoorthi  
Roll No.: 20211PET0008

  
REGISTRAR  




# PRESIDENCY UNIVERSITY

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## BANGALORE

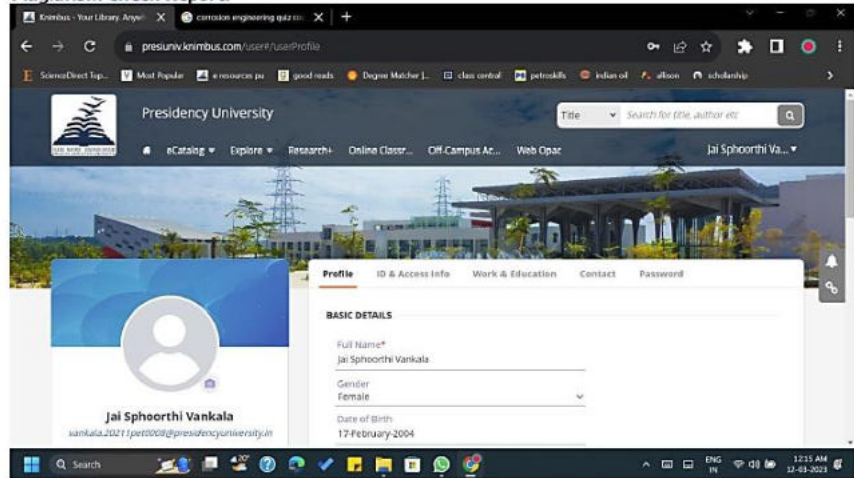


### Reference:

To cite this article: Robbie Goodhue & Geoff Clayton (2010) Palynomorph Darkness Index (PDI) – a new technique for assessing thermal maturity, *Palynology*, 34:2, 147-156, DOI: 10.1080/01916121003696932

To link to this article: <http://dx.doi.org/10.1080/01916121003696932>

### Plagiarism Check Report:



Student Name and Digital

Signature:

V Jai Sphoorthi

Date of Submission:

11/03/2023

Student Name: V Jai Sphoorthi  
Roll No.: 20211PET0008

DATE

### List of Winners:

1 <sup>st</sup>	20211PET0001	MOHAMED SAADULLAH S
2 <sup>nd</sup>	20211PET0008	VANKALA JAI SPHOORTHI
3 <sup>rd</sup>	20211PET0002	ROSHAN T



Certificate  
Template:





*Sidharth Gautam*

**Event Coordinator**

Dr. Sidharth Gautam  
Assistant Professor  
Department of Petroleum Engineering

*Suman*  
REGISTRAR  






# Department of Petroleum Engineering

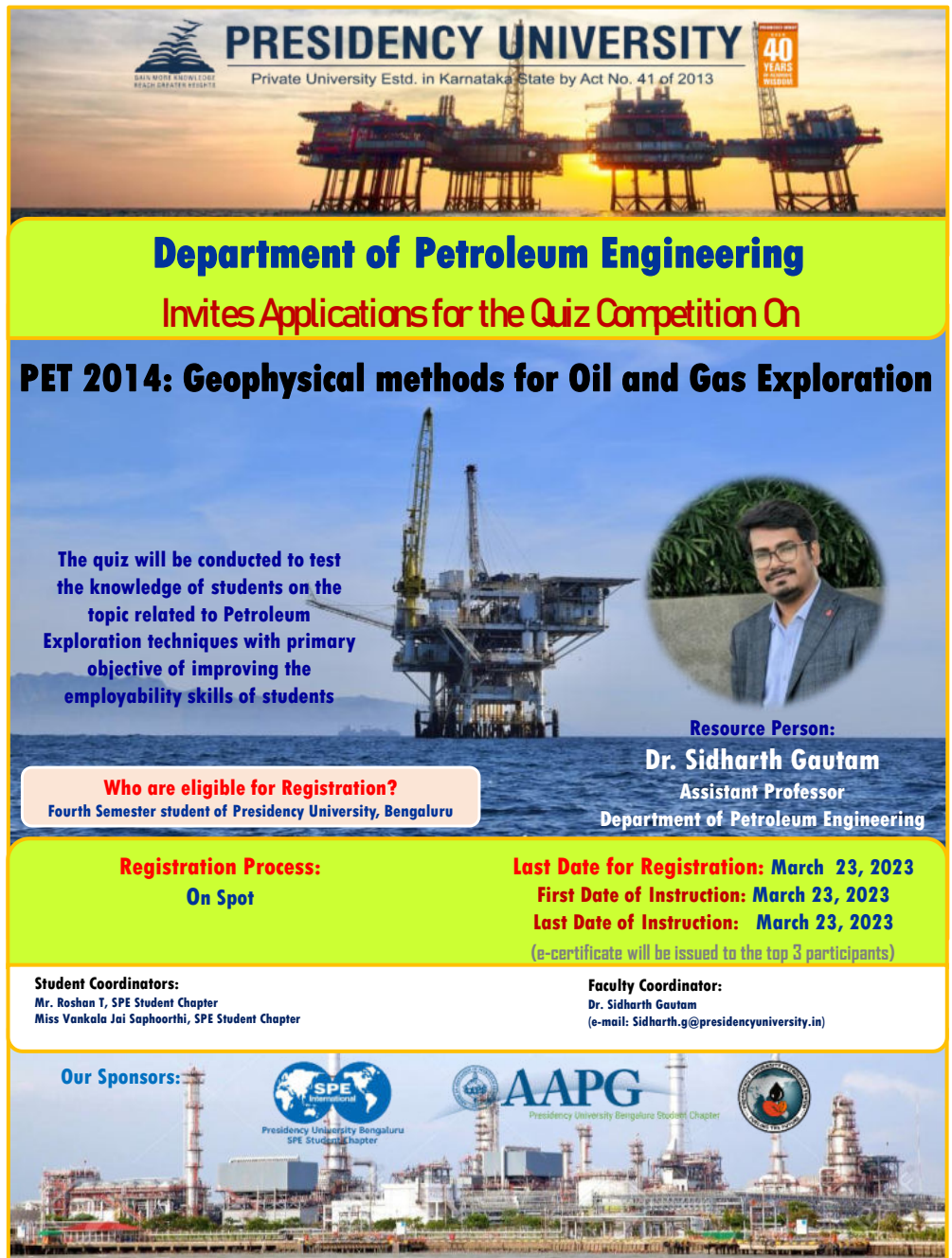
## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	EG02	<b>Date:</b>	23-03-2023 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	26
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Quiz on Geophysical methods for Oil and Gas Exploration		
<b>Resource Person:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to petroleum exploration.		

  
REGISTRAR  


Event Documents &  
Photo(s):



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

**40 YEARS**  
OF  
WISDOM

### Department of Petroleum Engineering

Invites Applications for the Quiz Competition On

## PET 2014: Geophysical methods for Oil and Gas Exploration

The quiz will be conducted to test the knowledge of students on the topic related to Petroleum Exploration techniques with primary objective of improving the employability skills of students

**Resource Person:**  
**Dr. Sidharth Gautam**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Fourth Semester student of Presidency University, Bengaluru




**Registration Process:**  
On Spot

**Last Date for Registration:** March 23, 2023  
**First Date of Instruction:** March 23, 2023  
**Last Date of Instruction:** March 23, 2023  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Roshan T, SPE Student Chapter  
Miss Vankala Jai Saphoorathi, SPE Student Chapter

**Faculty Coordinator:**  
Dr. Sidharth Gautam  
(e-mail: Sidharth.g@presidencyuniversity.in)

**Our Sponsors:**

Presidency University Bengaluru  
SPE Student Chapter

Presidency University Bengaluru Student Chapter

*Sauve*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

<b>List of Participants:</b>	SNo	ID Number	Name
	1	20211PET0001	MOHAMED SAADULLAH S
	2	20211PET0002	ROSHAN T
	3	20211PET0003	SYED LUQMAN J
	4	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI
	5	20211PET0008	VANKALA JAI SPHOORTHI
	6	20211PET0009	AFEEZ .
	7	20211PET0010	HITHESH T
	8	20211PET0012	MOHAMED NAIF NIHAD ALI
	9	20211PET0014	DARSHAN
	10	20211PET0015	MOHAMMAD YASIR BYAKOD
	11	20211PET0016	ASMA
	12	20211PET0017	IBRAHIM NAWAZ M
	13	20211PET0018	SANDEEP IYAGAR
	14	20211PET0019	KIRAN EKIRAN
	15	20211PET0020	YASHWANTH GOWDA M
	16	20211PET0021	MAYUR P
	17	20211PET0022	YASHWANTH S
	18	20211PET0023	MOHAMMED SHABAZ KHALANDER D
	19	20211PET0024	BOLLAMA REDDY HIMAVENKATA MANKANTHA
	20	20211PET0025	FAZIL SHAREEF H A
	21	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS
	22	20211PET0027	SYED USMAN
	23	20211PET0028	ZOYA FALAK
	24	20201PET0027	YARRAMSETTI CHAITANYA SRI
	25	20191PET0050	SHAIK GOUSPEER VALI
	26	20221LPE0001	SHAIK TABISH RIYAZAHMED

  
 REGISTRAR  


Roll No. 

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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF ENGINEERING**

**QUIZ – MARCH 2023**

Max Time: 30 min

Max Marks: 15

Semester: EVEN

Course Code: PET 2014

Course Name: Geophysical methods for Oil and Gas Exploration

Program & Sem: B.Tech. & IV<sup>th</sup> sem

**Instructions:**

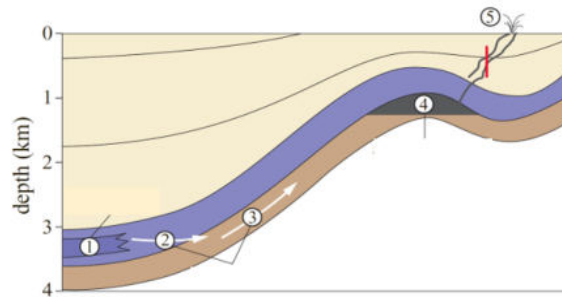
- (i) Attempt all the questions
- (ii) Read all the questions properly and answer accordingly.

**PART A**

**ANSWER ALL THE FIVE QUESTIONS**

**5 X 3 = 15 M**

1. Based on the given image, identify the processes (1 - 5)-



**Quiz Question Paper**

2. List the characteristics of petroleum source rock.
3. State the classification of kerogen.
4. Discuss the stages of kerogen maturation.
5. List the surface indication of petroleum accumulation.

Page 1 of 1

*Sanne*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

### Event Photograph



### List of Winners:

1 <sup>st</sup>	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI
2 <sup>nd</sup>	20211PET0002	ROSHAN T
3 <sup>rd</sup>	20211PET0014	DARSHAN D P

*Sanna*  
REGISTRAR



Certificate  
Template:





*Sidharth Gautam*



**Event Coordinator**

Dr. Sidharth Gautam

Assistant Professor

Department of Petroleum Engineering

*Suman Paul*  
REGISTRAR  


<b>Event No.:</b>	EG03	<b>Date:</b>	02-05-2023 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	POSTER PRESENTATION
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	26
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Dr. Barasha Deka Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Poster Presentation on different types of gravimeters for gravity survey		
<b>Resource Person:</b>	Dr. Barasha Deka Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This poster presentation event was conducted to test the knowledge of students on the topics related to Fundamentals of exploration geophysics.		
	 REGISTRAR 		



Event Documents &  
Photo(s):



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

**40 YEARS**  
1983-2023

**Department of Petroleum Engineering**  
**Invites Applications for the Poster Presentation Competition On**  
**PET 2014: Geophysical methods for Oil and Gas Exploration**

The event will be conducted to test the knowledge of students on the topic related to exploration techniques of oil and gas with a primary objective of improving the employability skills of students

**Resource Person:**  
**Dr. Barasha Deka**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Fourth Semester students of Presidency University, Bengaluru

**Registration Process:**  
On Spot

**Last Date for Registration: May 2, 2023**  
**First Date of Instruction: May 2, 2023**  
**Last Date of Instruction: May 2, 2023**  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Roshan T, SPE Student Chapter  
Miss Vankala Jai Sphoorthi, SPE Student Chapter

**Faculty Coordinator:**  
Dr. Barasha Deka  
(e-mail: barasha.deka@presidencyuniversity.in)

**Our Sponsors:**

**SPE International**  
Presidency University Bengaluru  
SPE Student Chapter

**AAPG**  
Presidency University Bengaluru Student Chapter




*Sanu*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE


**List of Participants:**

SNo	ID Number	Name
1	20211PET0001	MOHAMED SAADULLAH S
2	20211PET0002	ROSHAN T
3	20211PET0003	SYED LUQMAN J
4	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI
5	20211PET0008	VANKALA JAI SPHOORTHY
6	20211PET0009	AFEEZ .
7	20211PET0010	HITESH T
8	20211PET0012	MOHAMED NAIF NIHAD ALI
9	20211PET0014	DARSHAN
10	20211PET0015	MOHAMMAD YASIR BYAKOD
11	20211PET0016	ASMA
12	20211PET0017	IBRAHIM NAWAZ M
13	20211PET0018	SANDEEP IYAGAR
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18	20211PET0023	MOHAMMED SHABAZ KHALANDER D
19	20211PET0024	BOLLAMA REDDY HIMAVENKATA MANKANTHA
20	20211PET0025	FAZIL SHAREEF H A
21	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS
22	20211PET0027	SYED USMAN
23	20211PET0028	ZOYA FALAK
24	20201PET0027	YARRAMSETTI CHAITANYA SRI
25	20191PET0050	SHAIK GOUSPEER VALI
26	20221LPE0001	SHAIK TABISH RIYAZAHMED

**List of Winners:**

1 <sup>st</sup>	20211PET0012	MOHAMED NAIF NIHAD ALI
2 <sup>nd</sup>	20211PET0008	VANKALA JAI SPHOORTHY
3 <sup>rd</sup>	20211PET0016	ASMA

REGISTRAR




Participants' Report

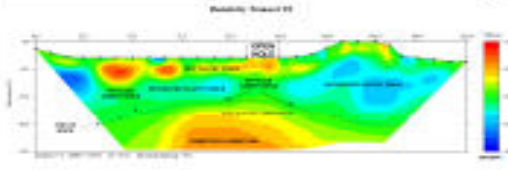
### RESISTIVITY METHOD OF GEOPHYSICAL SURVEY

Moh Saadhullah (2021PET0001), Roohan T (2021PET0002), Syed Iqbalman (2021PET0003), Belim Moh Saad (2021PET0004)

2nd Year B.Tech. Petroleum Engineering Students  
Presidency University, Bengaluru

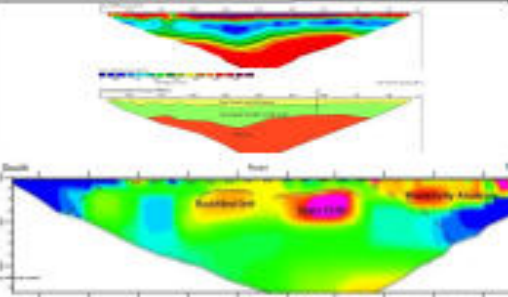
**Introduction:**

The **Electrical Resistivity (ER)** methods are used for locating and mapping groundwater sources, natural groundwater flow paths, groundwater contamination, and archeological remnants. These methods measure voltages associated with electric currents flowing in the ground. These currents may be currents introduced into the earth through electrodes or they may be natural currents due to earth processes.



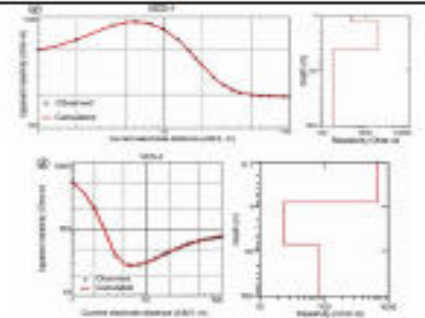
**Proposition:**

Resistivity is fundamentally related to Ohm's Law measuring Resistance. The basic principle behind electrical methods is the injection of current into the ground using a pair of electrodes. This current causes a potential difference in the ground which is measured by a separate pair of electrodes. Variations of the method include electrical resistivity, self-potential, and induced polarization. Each of these methods can be used for a wide range of applications.



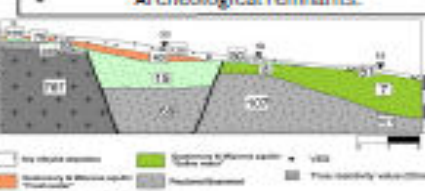
**Vertical Electrical Sounding (VES):**

Vertical electrical sounding (VES) is a geophysical method for the investigation of a geological medium. The method is based on the estimation of the electrical conductivity or resistivity of the medium.



**Applications:**

- Groundwater detection,
- Mineral identification,
- Waste exploration,
- Oil identification
- Archeological remnants.



**Limitations:**

- VES survey works only until a certain depth
- if the area has steep topographic variation then the survey will be difficult.

**Reference:**  
ER survey by Gilbert Klefstad, Lyle Sendlein

REGISTRAR

Certificate  
Template:

  
**Certificate of Achievement**  
 This is to Certify that  
**MOHAMED NAIF NIHAD ALI**  
 has secured 1<sup>st</sup> Position in Poster Presentation Competition on  
**“Different types of gravimeters for gravity survey”**  
 organized by the SPE Student Chapter and the Department of Petroleum Engineering,  
 Presidency University Bengaluru on 2<sup>nd</sup> May 2023.


---

 Dr. Barasha Deka  
 Assistant Professor  
 Event Judge


---

 Dr. Suman Paul  
 Head of the Department  
 Faculty Advisor, SPE SC

**1**

  
**Certificate of Achievement**  
 This is to Certify that  
**VANKALA JAI SPHOORTHI**  
 has secured 2<sup>nd</sup> Position in Poster Presentation Competition on  
**“Different types of gravimeters for gravity survey”**  
 organized by the SPE Student Chapter and the Department of Petroleum Engineering,  
 Presidency University Bengaluru on 2<sup>nd</sup> May 2023.


---

 Dr. Barasha Deka  
 Assistant Professor  
 Event Judge


---

 Dr. Suman Paul  
 Head of the Department  
 Faculty Advisor, SPE SC

**2**

  
 REGISTRAR  





*Barasha Deka.*

**Event Coordinator**

Dr. Barasha Deka  
Assistant Professor  
Department of Petroleum Engineering

*Suman*  
REGISTRAR  


<b>Event No.:</b>	JMW02	<b>Date:</b>	10-10-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Quiz-1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	13
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Quiz Competition on "Remote Sensing"		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This Quiz Competition was conducted to test the knowledge of students on the topic related to remote sensing.		
<b>Event Documents &amp; Photo(s):</b>	 <p>The poster is a colorful flyer for a quiz competition. At the top, it features the Presidency University logo and a '40th Anniversary' badge. The main title is 'Department of Petroleum Engineering Invites Applications for the Quiz Competition On PET 2013: Introduction to Geoinformatics'. It includes a photo of Ms. Jain Mariyate Wilson, the resource person, and details about registration eligibility (3rd Semester students), dates (Last Date for Registration: October 10, 2022), and sponsors (SPE, AAPG, etc.).</p>		

*Jain*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE




List of Participants	1	20211PET0003	SYED LUQMAN J	p
	2	20211PET0005	MOHAMMAD SUHAIL	AB
	3	20211PET0009	AFEEZ	p
	4	20211PET0010	HITESH T	p
	5	20211PET0011	GANUGA ROSHAN	AB
	6	20211PET0013	DEEPAK JADHAV	P
	7	20211PET0014	DARSHAN D P	p
	8	20211PET0015	MOHAMMAD YASIR BYAKOD	p
	9	20211PET0017	IBRAHIM NAWAZ M	p
	10	20211PET0020	YASHWANTH GOWDA M	p
	11	20211PET0023	MOHAMMED SHABAZ KHALANDER D	p
	12	20211PET0025	FAZIL SHAREEF H A	p
	13	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS	p
	14	20191PET0050	SHAIK GOUSPEER VALI	p
	15	20211PET0028	ZOYA FALAK	p

1 <sup>st</sup>	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS
2 <sup>nd</sup>	20211PET0028	ZOYA FALAK

**List of Winners & Certificate Template:**




**Certificate of Achievement**


This is to Certify that

**MR. PATEL MOHAMMED ADNAN MOHAMMED GOUS**


has secured 1<sup>st</sup> Position in QUIZ Competition on “Remote Sensing”, organized by the SPE Student Chapter and the Department of Petroleum Engineering, Presidency University Bengaluru on 10<sup>th</sup> October 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge



Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE UC







**Event Coordinator**

Ms. Jain Mariyate Wilson  
Assistant Professor  
Department of Petroleum Engineering



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PRESIDENCY UNIVERSITY  
BANGALORE

<b>Event No.:</b>	JMW01	<b>Date:</b>	10-10-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Quiz-1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	03
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Quiz Competition on "Well Design"		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This Quiz Competition was conducted to test the knowledge of students on the topic related to Well Design and Criteria.		
<b>Event Documents &amp; Photo(s):</b>	 <p>The poster is a colorful flyer for a quiz competition. At the top, it features the Presidency University logo and a '40th Anniversary' badge. The main title is 'Department of Petroleum Engineering Invites Applications for QUIZ Competition On PET 3004: Advanced Well Engineering'. It includes a photo of the resource person, Ms. Jain Mariyate Wilson, and details about registration, including dates and eligibility. The bottom section lists student and faculty coordinators and sponsors like BPS and AAPG.</p>		

*Jain*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

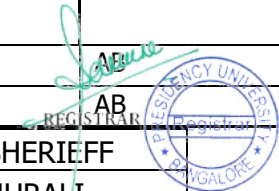


### List of Participants

1	20201PET0004	RACHAN BALAKRISHNA SHETTY	AB
2	20201PET0006	PRAVEEN B	AB
3	20201PET0008	NALLABHOTULA DUSHYANTH	AB
4	20201PET0009	KOTISHWARAN V	AB
5	20201PET0011	A M RIZWAN	AB
6	20201PET0016	SIDHARTH MURALI	P
7	20201PET0017	BHOOMIKA SATISH	P
8	20201PET0021	R JANARDHAN REDDY	AB
9	20201PET0023	PRATHIVRAJ S	AB
10	20201PET0029	PAVAN GOUD	AB
11	20201PET0030	AQIB AHMED SHARIEEF	P
12	20201PET0031	BANDLA HAREESH	AB
13	20201PET0034	KOMMINENI HEMANTH	AB
14	20191PET0011	Fayas Pasha	AB

### List of Winners & Certificate Template:

1 <sup>st</sup>	20201PET0030	AQIB AHMED SHERIEFF
2 <sup>nd</sup>	20201PET0011	SIDHARTH MURALI





### Certificate of Achievement

This is to Certify that

**MR. AQIB AHMED SHERIEFF**

has secured 1<sup>st</sup> Position in QUIZ Competition on “Advanced Well Engineering”, organized by the SPE Student Chapter and the Department of Petroleum Engineering, Presidency University Bengaluru on 10<sup>th</sup> October 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge

Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC



### Certificate of Achievement

This is to Certify that

**MR. SIDHARTH MURALI**

has secured 2<sup>nd</sup> Position in QUIZ Competition on “Advanced Well Engineering”, organized by the SPE Student Chapter and the Department of Petroleum Engineering, Presidency University Bengaluru on 10<sup>th</sup> October 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge

Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC





# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

---

**Event Coordinator**

Ms. Jain Mariyate Wilson

Assistant Professor

Department of Petroleum Engineering

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BANGALORE



# Department of Petroleum Engineering

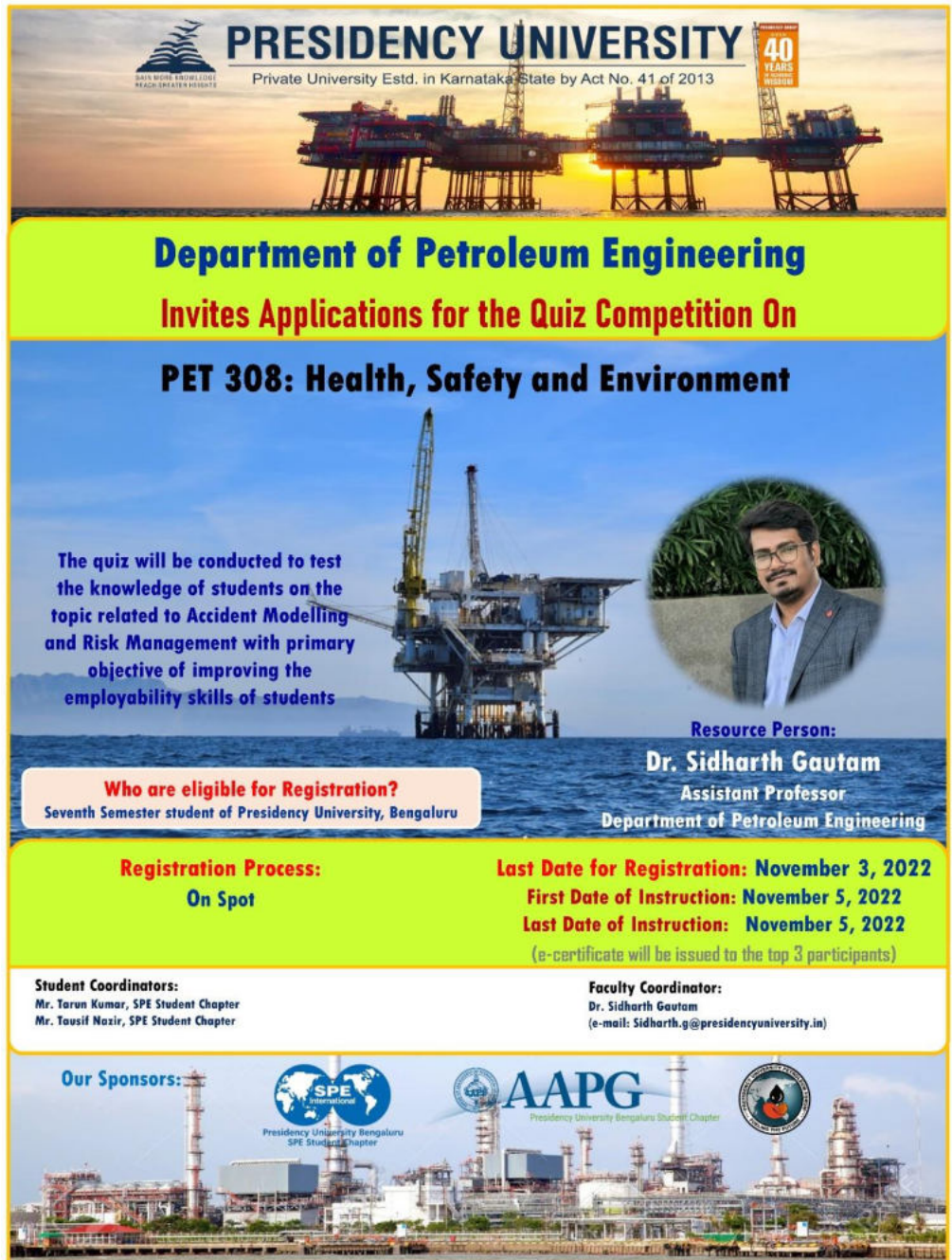
## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	SG02	<b>Date:</b>	05-11-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Online	<b>No. of Participant(s):</b>	27
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Accident Modelling and Risk Management		
<b>Resource Person:</b>	Dr. Sidharth Gautam Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to accident modelling and risk management.		

  
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Event Documents & Photo(s):



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

**40 YEARS**  
OF  
PROGRESS

### Department of Petroleum Engineering

### Invites Applications for the Quiz Competition On

### PET 308: Health, Safety and Environment

The quiz will be conducted to test the knowledge of students on the topic related to Accident Modelling and Risk Management with primary objective of improving the employability skills of students

**Resource Person:**  
**Dr. Sidharth Gautam**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Seventh Semester student of Presidency University, Bengaluru




**Registration Process:**  
On Spot

**Last Date for Registration:** November 3, 2022  
**First Date of Instruction:** November 5, 2022  
**Last Date of Instruction:** November 5, 2022  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Tarun Kumar, SPE Student Chapter  
Mr. Tausif Nazir, SPE Student Chapter

**Faculty Coordinator:**  
Dr. Sidharth Gautam  
(e-mail: Sidharth.g@presidencyuniversity.in)

**Our Sponsors:**


Presidency University Bengaluru SPE Student Chapter  
Presidency University Bengaluru Student Chapter

*Sauve*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

ID	Start time	Completion time	Email	Name	Total point
1	11/5/22 11:44:28	11/5/22 11:49:20	201910100920@presidencyuniversity.in	Tauseef Nazir	5
2	11/5/22 11:40:05	11/5/22 11:53:21	201910101653@presidencyuniversity.in	Mohd Zubair	17
3	11/5/22 11:40:06	11/5/22 11:53:28	201910101935@presidencyuniversity.in	RISHU SINGH	16
4	11/5/22 11:40:04	11/5/22 11:54:20	201910101647@presidencyuniversity.in	Upparapally Divakar Red	12
5	11/5/22 11:43:03	11/5/22 11:54:38	201910100093@presidencyuniversity.in	Syed ikhlas	13
6	11/5/22 11:40:03	11/5/22 11:54:52	201910101696@presidencyuniversity.in	SANAMPUDI VENKATA R	17
7	11/5/22 11:43:54	11/5/22 11:54:59	201910100711@presidencyuniversity.in	Aman Tahasildar	17
8	11/5/22 11:40:08	11/5/22 11:55:11	202011100018@presidencyuniversity.in	Malipeddu Sai Pranav	9
9	11/5/22 11:40:26	11/5/22 11:55:29	201910102011@presidencyuniversity.in	DEMULA PRASHANTH	7
10	11/5/22 11:40:22	11/5/22 11:55:30	201910101185@presidencyuniversity.in	Gilaka pavan	9
11	11/5/22 11:40:03	11/5/22 11:55:33	201910101236@presidencyuniversity.in	Thota Guna Naga Murari	13
12	11/5/22 11:40:43	11/5/22 11:55:46	201910101637@presidencyuniversity.in	PRASHANTH R	16
13	11/5/22 11:40:41	11/5/22 11:55:57	201810101337@presidencyuniversity.in	PILLI KALYAN KUMAR	6
14	11/5/22 11:49:20	11/5/22 11:56:03	201910101150@presidencyuniversity.in	Midhun M M	6
15	11/5/22 11:41:13	11/5/22 11:56:16	201910100044@presidencyuniversity.in	SAI DINESH M	16
16	11/5/22 11:41:57	11/5/22 11:56:36	201910100087@presidencyuniversity.in	Tausif Ahmed	15
17	11/5/22 11:53:51	11/5/22 11:57:04	201910101172@presidencyuniversity.in	Vasista	5
18	11/5/22 11:42:16	11/5/22 11:57:18	201910100167@presidencyuniversity.in	Hithesh PV	19
19	11/5/22 11:45:47	11/5/22 11:57:55	PATIL.20201LPE0003@presidencyuniversity.in	SHIVAKUMAR PATIL	7
20	11/5/22 11:42:48	11/5/22 11:58:32	201910101453@presidencyuniversity.in	Sameer Muhammed	17
21	11/5/22 11:41:03	11/5/22 11:58:50	201910102056@presidencyuniversity.in	Shaik.mustak	11
22	11/5/22 11:43:55	11/5/22 11:59:00	201910100138@presidencyuniversity.in	Moideen Ansaf	16
23	11/5/22 11:44:17	11/5/22 11:59:43	201910100759@presidencyuniversity.in	Mohammed Zain Y C	10
24	11/5/22 11:45:29	11/5/22 12:00:30	201910100503@presidencyuniversity.in	Kushal K	19
25	11/5/22 11:46:28	11/5/22 12:01:07	201910101769@presidencyuniversity.in	Tarun Kumar	8
26	11/5/22 11:45:52	11/5/22 12:01:28	201910102176@presidencyuniversity.in	Yadavali venkat	12
27	11/5/22 11:43:33	11/5/22 12:03:21	201910101440@presidencyuniversity.in	Nabeed Munna	10

**List of Participants:**

S.No.	ID NO	STUDENT NAME
1	20191PET0003	AMAN TAHASILDAR
2	20191PET0015	GILAKA PAVAN
3	20191PET0017	HITHESH P V
4	20191PET0022	KUSHAL K
5	20191PET0024	MIDHUN M M
6	20191PET0036	MOHAMMED ZAIN Y C
7	20191PET0037	MOHD ZUBAIR
8	20191PET0038	MOIDEEN ANSAF
9	20191PET0039	NABEED MUNNA
10	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA
11	20191PET0042	PRASHANTH R
12	20191PET0043	RISHU SINGH
13	20191PET0046	SAI DINESH M
14	20191PET0048	SAMEER MUHAMMED
15	20191PET0049	SANAMPUDI VENKATA RAMI REDDY
16	20191PET0051	SHAIK MUSTAK
17	20191PET0054	SYED IKHLAS
18	20191PET0056	TARUN KUMAR A

*S. Anand*  
REGISTRAR  




19	20191PET0057	TAUSEEF NAZIR
20	20191PER0059	THOTA GUNA NAGA MURARI
21	20191PET0061	UPPARAPALLY DIVAKAR REDDY
22	20191PET0062	VEMULA PRASHANTH
23	20191PET0063	YADAVALI VENKAT
24	20191PET9002	PILLI KALYAN KUMAR
25	20191PET9007	JAFFAR SADIQ M R
26	20201LPE0001	Malipeddu Sai pranav
27	20201LPE0003	PATIL SHIVAKUMAR DEVENDRA

### Participants' Report

1. Name \* Score: 0 / 0 pts

Tauseef Nazir

2. Roll No. \* Score: 0 / 0 pts

20191PET0057

**✘ Incorrect** 0/1 Points

0 / 1 pt  
Auto-graded

3. \_\_\_\_\_ can affect a receptor positioned at some distance from a fire \*

- Smoke
- Thermal radiation ✓
- Blast pressure wave
- Fire hazard

**✓ Correct** 1/1 Points

1 / 1 pt  
Auto-graded

4. Fire is a \_\_\_\_\_ of ignited fuel \*

- rapid combustion
- rapid exothermic oxidation ✓
- rapid oxidation
- rapid endothermic combustion

  
 REGISTRAR 

	<div style="margin-bottom: 10px;"> <p style="text-align: right;">1 / 1 pt Auto-graded</p> <p>✓ <b>Correct</b> 1/1 Points</p> <p>5. Lowest temperature at which liquid gives vapour to maintain continous flame *</p> <p> <input type="radio"/> Flame point  <input checked="" type="radio"/> Flash point ✓  <input type="radio"/> Fire point  <input type="radio"/> Lower Flammability point         </p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: right;">1 / 1 pt Auto-graded</p> <p>✓ <b>Correct</b> 1/1 Points</p> <p>6. Above Upper flammability limit the mixture will not catch fire due to *</p> <p> <input checked="" type="radio"/> mixture being too rich ✓  <input type="radio"/> mixture being too lean  <input type="radio"/> high fuel concentration  <input type="radio"/> high oxygen concentration         </p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: right;">0 / 1 pt Auto-graded</p> <p>✗ <b>Incorrect</b> 0/1 Points</p> <p>7. What is air line ? *</p> <p> <input type="radio"/> Line drawn from apex of oxygen to 79% of Nitrogen  <input type="radio"/> Line drawn from apex of fuel to 79% of Nitrogen ✓  <input type="radio"/> Line drawn from apex of fuel to 21% of Oxygen  <input checked="" type="radio"/> Line drawn from apex of oxygen to 21% of Oxygen         </p> </div> <div> <p style="text-align: right;">0 / 1 pt Auto-graded</p> <p>✗ <b>Incorrect</b> 0/1 Points</p> <p>8. _____ controls probability of fire in process industries *</p> <p> <input type="radio"/> Limiting Oxygen Concentration  <input type="radio"/> Upper Flammability Limit  <input checked="" type="radio"/> Minimum Ignition Energy ✓  <input checked="" type="radio"/> Lower Flammability Limit         </p> </div>									
<p><b>List of Winners:</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">1<sup>st</sup></td> <td style="width: 35%; text-align: center;">20191PET0022</td> <td style="width: 50%; text-align: center;">KUSHAL K</td> </tr> <tr> <td style="text-align: center;">2<sup>nd</sup></td> <td style="text-align: center;">20191PET0017</td> <td style="text-align: center;">HITHESH P V</td> </tr> <tr> <td style="text-align: center;">3<sup>rd</sup></td> <td style="text-align: center;">20191PET0003</td> <td style="text-align: center;">AMAN TAHASILDAR</td> </tr> </table> <div style="text-align: right; margin-top: 10px;"> <p>REGISTRAR</p> </div>	1 <sup>st</sup>	20191PET0022	KUSHAL K	2 <sup>nd</sup>	20191PET0017	HITHESH P V	3 <sup>rd</sup>	20191PET0003	AMAN TAHASILDAR
1 <sup>st</sup>	20191PET0022	KUSHAL K								
2 <sup>nd</sup>	20191PET0017	HITHESH P V								
3 <sup>rd</sup>	20191PET0003	AMAN TAHASILDAR								

**Certificate  
Template:**



*Sidharth Gautam*

**Event Coordinator**

Dr. Sidharth Gautam

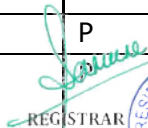
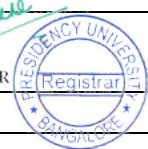
Assistant Professor

Department of Petroleum Engineering

*Suman Paul*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE  
Registrar

<b>Event No.:</b>	JMW03	<b>Date:</b>	08-11-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Quiz
<b>Mode of Event:</b>	Online	<b>No. of Participant(s):</b>	08
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Quiz Competition on "Oil Field Development and Reservoir Management"		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This Quiz Competition was conducted to test the knowledge of students on the topic related to Oil Field Development.		
<b>Event Documents &amp; Photo(s):</b>	 <p>The poster is a colorful flyer for a quiz competition. At the top, it features the Presidency University logo and name, along with the text 'Private University Estd. in Karnataka State by Act No. 41 of 2013'. Below this, it says 'Department of Petroleum Engineering Invites Applications for the Quiz Competition On PET319: Oil Field Development and Reservoir Management'. A central image shows an offshore oil rig. To the right of the rig is a circular portrait of Ms. Jain Mariyate Wilson, the resource person. Text on the poster includes: 'The event will be conducted to test the knowledge of students on the topic related to various techniques criteria on Reservoir Management. The primary objective of improving the skill development of students'. It also lists eligibility: '7th Semester students of Petroleum Engineering Presidency University, Bengaluru'. Registration details: 'Registration Process: On Spot', 'Last Date for Registration: November 08, 2022', 'First Date of Instruction: Nov 05, 2022', and 'Last Date of Instruction Nov 08, 2022 (e-certificates will be issued to the top 3 participants)'. At the bottom, it lists 'Student Coordinators' (Mr. Tarun Kumar, SPE Student Chapter; Mr. Feroze Sheikh, SPE Student Chapter) and 'Faculty Coordinators' (Ms. Jain Mariyate Wilson, Department of Petroleum Engineering). Sponsors include SPE, AAPG, and the university's own logo. The bottom right of the poster features a signature and the Registrar's stamp.</p>		

		Questions		Responses <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">8</span>																																																			
				<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">⌚ 30 minutes</span>																																																			
		<h3>PET 319-OFDRM - (Participative learning) (20 Points)</h3> <p>Subject-Oil Field Development and Reservoir Management Date - 08-11-2022 Total Marks - 20 Duration - 30 minutes No negative marking system. All the questions are mandatory Before submitting the answers, please make sure that all the details are filled correctly</p>																																																					
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Start time</td> <td>Completion time</td> <td>Email</td> <td>Name</td> <td>Total points</td> </tr> <tr> <td>11-8-22 13:22:59</td> <td>11-8-22 13:31:01</td> <td>201910100527@preside</td> <td>MOHAMMED AFZAL ""</td> <td>6</td> </tr> <tr> <td>11-8-22 13:20:24</td> <td>11-8-22 13:47:27</td> <td>201910101032@preside</td> <td>P SUHAIL AHMED ""</td> <td>13</td> </tr> <tr> <td>11-8-22 13:20:08</td> <td>11-8-22 13:49:56</td> <td>201910100216@preside</td> <td>SHRAVAN KUMAR M ""</td> <td>13</td> </tr> <tr> <td>11-8-22 13:23:06</td> <td>11-8-22 13:50:04</td> <td>201810101357@preside</td> <td>SHABEER AHMED</td> <td>7</td> </tr> <tr> <td>11-8-22 13:31:49</td> <td>11-8-22 13:50:25</td> <td>201910101642@preside</td> <td>M MOHAMED ALFIATH</td> <td>11</td> </tr> <tr> <td>11-8-22 13:20:43</td> <td>11-8-22 13:50:37</td> <td>201910100432@preside</td> <td>MOHAMMED MUZAMM</td> <td>11</td> </tr> <tr> <td>11-8-22 13:20:37</td> <td>11-8-22 13:50:52</td> <td>201910101332@preside</td> <td>GANESH KUMAR POTHAN</td> <td>8</td> </tr> <tr> <td>11-8-22 13:20:43</td> <td>11-8-22 13:53:53</td> <td>201810101280@preside</td> <td>ANSTIN SUNNY</td> <td>6</td> </tr> </tbody> </table>				B	C	D	E	F	Start time	Completion time	Email	Name	Total points	11-8-22 13:22:59	11-8-22 13:31:01	201910100527@preside	MOHAMMED AFZAL ""	6	11-8-22 13:20:24	11-8-22 13:47:27	201910101032@preside	P SUHAIL AHMED ""	13	11-8-22 13:20:08	11-8-22 13:49:56	201910100216@preside	SHRAVAN KUMAR M ""	13	11-8-22 13:23:06	11-8-22 13:50:04	201810101357@preside	SHABEER AHMED	7	11-8-22 13:31:49	11-8-22 13:50:25	201910101642@preside	M MOHAMED ALFIATH	11	11-8-22 13:20:43	11-8-22 13:50:37	201910100432@preside	MOHAMMED MUZAMM	11	11-8-22 13:20:37	11-8-22 13:50:52	201910101332@preside	GANESH KUMAR POTHAN	8	11-8-22 13:20:43	11-8-22 13:53:53	201810101280@preside	ANSTIN SUNNY	6
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11-8-22 13:20:37	11-8-22 13:50:52	201910101332@preside	GANESH KUMAR POTHAN	8																																																			
11-8-22 13:20:43	11-8-22 13:53:53	201810101280@preside	ANSTIN SUNNY	6																																																			
<b>List of Participants</b>	<b>Sl. No</b>	<b>Student ID No</b>	<b>Name</b>	<b>Submission Status</b>																																																			
	1	20191PET0004	ASHWIN RAJ R	P																																																			
	2	20191PET0014	GANESH KUMAR POTHAN	P																																																			
	3	20191PET0018	JESWIN JAVAD	AB																																																			
	4	20191PET0023	M MOHAMED ALFIATH	P																																																			
	5	20191PET0025	MIDHUN SUBHASH	AB																																																			
	6	20191PET0028	MOHAMMED ADNAN	AB																																																			
	7	20191PET0029	MOHAMMED AFZAL	P																																																			
	8	20191PET0030	MOHAMMED ISHAQ	AB																																																			
	9	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	AB																																																			
	10	20191PET0041	P SUHAIL AHMED	P																																																			
	11	20191PET0053	SHRAVAN KUMAR M	P																																																			
	12	20191PET0058	TAUSIF AHMED	AB																																																			
	13	20191PET9004	ANSTIN SUNNY	P																																																			

  
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	14	20191PET9006	SHABEER AHMED	P
	15	20201LPE0002	SYED SADIQ PASHA K	AB
	1 <sup>st</sup>	20191PET0041	P SUHAIL AHMED	
	2 <sup>nd</sup>	20191PET0053	SHRAVAN KUMAR	

**List of Winners & Certificate Template:**





# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

---

**Event Coordinator**

Ms. Jain Mariyate Wilson

Assistant Professor

Department of Petroleum Engineering

REGISTRAR

REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE



# Department of Petroleum Engineering


## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	BJG15	<b>Date:</b>	18-04-2022
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	30
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	QUIZ on Workover and Stimulation		
<b>Resource Person:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	The main objective of this events is to provide an opportunity to student's to apply their knowledge on Well Design and Construction to solve problems.  This event will help the student to develop- SKILL and EMPLOYABILITY		
<b>Event Photo(s):</b>			

  
REGISTRAR  



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


**40 YEARS**

### Department of Petroleum Engineering

### QUIZ on "Workover and Stimulation"

### PET 228 WORKOVER AND STIMULATION

This QUIZ aims to improving the employability skills of the students.



**Resource Person:**  
**Mr. Bhairab Jyoti Gogoi**  
Assistant Professor  
Department of Petroleum Engineering





**Who are eligible for Registration?**  
All 6<sup>th</sup> Semester Petroleum Engineering student

**Mode of Conduction: OFFLINE** **Date: 18-04-2022**

(e-certificate will be issued after successful completion of the Course)

**Faculty Coordinator:**  
Mr. Bhairab Jyoti Gogoi  
(e-mail: [bhairabjyoti@presidencyuniversity.in](mailto:bhairabjyoti@presidencyuniversity.in))

**Our Sponsors:**

*Sauve*  
REGISTRAR





*Sanne*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE  
Registrar

List of Participants



PRESIDENCY UNIVERSITY  
BENGALURU

SCHOOL OF ENGINEERING

QUIZ-1 ATTENDANCE SHEET

Winter Semester: 2021 - 22

Course Code: PET 228

Course Name: Workover and Stimulation

Program & Sem: B.Tech (PET) & VI

Date: 18-04-2022 (Monday)

Time: 20 minute

Max Marks: 20

Weightage: 10%

Sl. No.	ID No.	Student Name	Signature of student
1	20191PET0001	AHIL SHA MC	A
2	20191PET0002	AKASH S	A
3	20191PET0003	AMAN TAHASILDAR	A
4	20191PET0004	ASHWIN RAJ R	A
5	20191PET0005	ASWIN K S	A
6	20191PET0008	BIRAJDAR SAURABH SURYAKANT	<i>Saurabh</i>
7	20191PET0009	C S NISHANT	A
8	20191PET0010	ELGIN PAUL	A
9	20191PET0012	FEROZ AHMED KHUDAVAND	<i>Feroz</i>
10	20191PET0013	FIROZA SHEIKH	<i>Firoza</i>
11	20191PET0014	GANESH KUMAR POTHAN	<i>Ganesh</i>
12	20191PET0015	GILAKA PAVAN	<i>Pavan</i>
13	20191PET0016	HARI GOVIND V	A
14	20191PET0017	HITHESH P V	A
15	20191PET0018	JESWIN JAVAD	<i>Jeswin</i>

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*Jeswin*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

16	20191PET0019	KADIRI LALITHA	<i>Lalitha</i>
17	20191PET0020	KOKEERAN P	A
18	20191PET0021	KRIKA	A
19	20191PET0022	KUSHAL K	A
20	20191PET0023	M MOHAMED ALFIATH	A
21	20191PET0024	MIDHUN M M	<i>Midhun</i>
22	20191PET0025	MIDHUN SUBHASH	A
23	20191PET0026	MOHAMED MUNAWAR HUSSAIN M	A
24	20191PET0027	MOHAMED SUHAIL	A
25	20191PET0028	MOHAMMED ADNAN	A
26	20191PET0029	MOHAMMED AFZAL	A
27	20191PET0030	MOHAMMED ISHAQ	A
28	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	<i>Muzammil</i>
29	20191PET0033	MOHAMMED REEHAN AZHAR	A
30	20191PET0034	MOHAMMED TAHA NAJEEB BASHA	A
31	20191PET0035	MOHAMMED UZMAIR M	A
32	20191PET0036	MOHAMMED ZAIN Y C	A
33	20191PET0037	MOHD ZUBAIR	<i>Zubair</i>
34	20191PET0038	MOIDEEN ANSAF	<i>Ansaf</i>
35	20191PET0039	NABEED MUNNNA	A
36	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	<i>Vasista</i>
37	20191PET0041	P SUHAIL AHMED	<i>Ahmed</i>
38	20191PET0042	PRASHANTH R	A

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	20191PET0043	RISHU SINGH	Rishu
	20191PET0044	RIZVI ABUSAMAMA TAHQIQHUSAIN	Abusamama
41	20191PET0046	SAI DINESH M	Sai dinesh
42	20191PET0048	SAMEER MUHAMMED	Sameer
43	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	Venkata.
44	20191PET0051	SHAIK MUSTAK	Musthak.
45	20191PET0052	SHAIKH ADNAN ZAKIRHUSAIN	Adnan
46	20191PET0053	SHRAVAN KUMAR M	A
47	20191PET0054	SYED IKHLAS	Syed Ikhlas
48	20191PET0055	TANIYA K G	A
49	20191PET0056	TARUN KUMAR A	Tarun 18/4/22
50	20191PET0057	TAUSEEF NAZIR	A
51	20191PET0058	TAUSIF AHMED	A
52	20191PET0059	THOTA GUNA NAGA MURARI	A
53	20191PET0060	THUFAIL MAJEED A MA M	A
54	20191PET0061	UPPARAPALLY DIVAKAR REDDY	Divakar
55	20191PET0062	VEMULA PRASHANTH	Prashanth
56	20191PET0063	YADAVALI VENKAT	Y. Venkat
57	20191PET0064	MUHAMMED SAFAL S	A
58	20191PET0067	SHAIK MUJEEB UR REHAMAN	Mujeeb
59	20191PET0068	RIZWAN RIZWAN	Rizwan 18/4/2022
60	20191PET9002	PILLI KALYAN KUMAR	Kalyan
61	20191PET9004	ANSTIN SUNNY	A



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

62	20191PET9005	SHABEER AHMED	A
63	20191PET9007	JAFFAR SADIQ M R	Sadiq
64	20201LPE0001	MALIPEDDU SAI PRANAV	Pranav
65	20201LPE0002	SYED SADIQ PASHA K	A
66	20201LPE0003	SHIVAKUMAR DEVENDRA PATIL	A

Student's report

*Sanna*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

PRESIDENCY UNIVERSITY, DEPARTMENT OF PETROLEUM ENGINEERING		
PET 228 WORKOVER AND STIMULATION		
QUIZ 1 [20 MARK, 15 MINUTE]	PARTICIPATIVE LEARNING	6 <sup>th</sup> SEMESTER PETROLEUM
Date: 18-04-2022; Total mark=20; Time: 20 minute (All question are compulsory)		
ID NUMBER	20191PET0046	

10. Find the incorrect set from the following:  
OH: Open hole; CH: Cased Hole; PO: Porosity Log; Spontaneous Potential; SP; Gamma Ray Log; GR; Mud Log; ML; Noise; NS; Radioactive tracer Log; RAL; Temperature Log; TL; Directivity Spinner flow meter; DSF; CALIPER; CL

(A) OH (PO, SP, ML); CH (TL, RAL)	(B) OH (SP, TL, PO); CH (TL, DSF)
(C) OH (GR, ML); CH (TL, RAL, DSF)	(D) OH (CL, SP, ML); CH (NS, DSF)
ANSWER: B ✓	

20. Find the odd one out. All statements should be of same type of completion

(A) Adaptable to special drilling techniques to minimize formation damage or to prevent lost circulation into the producing zone	(B) Facilitates ultra-short radius multiple radial completion
(C) Can be easily deepened	(D) Can effectively control and monitor zonal fluid production
ANSWER: D ✓	

30. Maximum production rate in a given well depends upon:  
(a) Static reservoir pressure (b) Inflow performance relation, (c) Pressure drop at the reservoir boundary, (d) Pressure drop through the wellhead constriction, (e) Packer fluid type (f) Pressure level in the surface separating facilities. [Find the wrong factor]

(A) a, c & d	(B) b & c
(C) c & e	(D) Only f
ANSWER: D ✗	

40. Find the incorrect one regarding material selection of TUBING  
(a) Sour Gas: resistance to H<sub>2</sub>S, > low hardness, stress relieved, > J55, C75, C95 (b) Sweet Gas: CO<sub>2</sub>, provisions for inhibition or appropriate material selection, > L80 13 Cr (c) High H<sub>2</sub>S and CO<sub>2</sub> may warrant special materials like duplex stainless steel and higher nickel and chromium steels.

(A) a & b	(B) Only b
(C) Only c	(D) All correct
ANSWER: D ✓	

50. Match the following

a. Swab valve (lubricator valve)	I. allow well pressures to be monitored
b. Gauge flange or tree cap	II. used to direct flow, enable thru-tubing access
c. Flow tee	III. provides seal for top of tree
d. Production wing valve	IV. enables connection of pumping equipment
e. Pressure gauges	V. isolate pressure, well access for intervention tools
f. Kill wing valve	VI. used to isolate well for most routine operations
(A) (a-I), (b-II), (c-IV), (d-V), (e-III), (f-VI)	(B) (a-VI), (b-I), (c-III), (d-V), (e-I), (f-IV)
(C) (a-VI), (b-III), (c-II), (d-VI), (e-I), (f-IV)	(D) (a-VI), (b-I), (c-VI), (d-III), (e-IV), (f-II)
ANSWER: C ✓	

60. Which of the following is NOT a function of Side Pocket Mandrel?

(A) To install chemical injection valves to inject inhibitor or any Chemicals.	(B) Using the tubing to "kick-off" the annulus in a tubing annulus dual completion
(C) To install water injection flow regulators in water injection operation	(D) Landing a blanking plug in nipple profile to shut the well or when testing tubing
ANSWER: B ✗	

70. "X" are used in single or multi string completion when tubing movement is expected. They are capable of maintaining the pressure integrity of the tubing while allowing the string to safely expand or contract. What is "X"?

(A) BLAST JOINT	(B) TUBING SAFETY JOINT
(C) EXPANSION JOINT	(D) FLOW COUPLING
ANSWER: C ✓	

*Sanna*  
REGISTRAR



8Q. These are placed at specific point in the tubing string where external cutting or abrasive action is expected. They are machined so the connection will make up flush when more than one joint is used, made to coupling O.D. and tubing I.D. Available in 10 foot, 15 foot and 20 foot length. What are they?

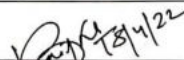
(A) BLAST JOINT	(B) TUBING SAFETY JOINT
(C) EXPANSION JOINT	(D) FLOW COUPLING
ANSWER: A 2	

9Q. Assertion (A): The Open hole completions find application in competent formations – especially naturally fractured limestone  
Reason (R): Limestones are usually considered brittle and are therefore likely to have higher Young's moduli than other sedimentary rocks in a basin.

(A) Both A and R are true and R is the correct explanation of A	(B) Both A and R are true, but R is not the correct explanation of A
(C) A is true, but R is false	(D) A is false, but R is true
ANSWER: B X	

10Q. Statement: The advisable well completion type for unconsolidated formation is CASED HOLE completion. ✓  
Assumption I: Adaptable to special drilling techniques to minimize formation damage or to prevent lost circulation into the producing zone ✓  
Assumption II: Can effectively control and monitor zonal fluid production ✓  
Assumption III: Log interpretation is not critical since entire interval is open ✓

(A) Only Assumption I follows	(B) Both Assumptions I & III follow
(C) Assumption I, II & III follow	(D) Only Assumption II follows
ANSWER: D 2	

Mark obtained (out of 20)	10
Name & ID number of the evaluator	Sai Dinesh - M 20191PET0046
Signature of the Instructor In Charge	

  
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PRESIDENCY UNIVERSITY, DEPARTMENT OF PETROLEUM ENGINEERING		
PET 228 WORKOVER AND STIMULATION		
QUIZ 1 (20 MARK, 15 MINUTE)	PARTICIPATIVE LEARNING	6 <sup>th</sup> SEMESTER PETROLEUM
Date: 18-04-2022; Total mark=20; Time: 20 minute (All question are compulsory)		
ID NUMBER	20191PET0049	

10. Find the incorrect set from the following:  
OH: Open hole; CH: Cased Hole; PO: Porosity Log; Spontaneous Potential: SP; Gamma Ray Log: GR; Mud Log: ML; Noise: NS; Radioactive tracer Log: RAL; Temperature Log: TL; Directivity Spinner flow meter: DSF; CALIPER: CL

(A) OH (PO, SP, ML); CH (TL, RAL)	(B) OH (SP, TL, PO); CH (TL, DSF)
(C) OH (GR, ML); CH (TL, RAL, DSF)	(D) OH (CL, SP, ML); CH (NS, DSF)
ANSWER: B 2	

20. Find the odd one out. All statements should be of same type of completion

(A) Adaptable to special drilling techniques to minimize formation damage or to prevent lost circulation into the producing zone	(B) Facilitates ultra-short radius multiple radial completion
(C) Can be easily deepened	(D) Can effectively control and monitor zonal fluid production
ANSWER: C X	

30. Maximum production rate in a given well depends upon:  
(a) Static reservoir pressure (b) Inflow performance relation, (c) Pressure drop at the reservoir boundary, (d) Pressure drop through the wellhead constriction, (e) Packer fluid type (f) Pressure level in the surface separating facilities. [Find the wrong factor]

(A) a, c & d	(B) b & c
(C) c & e	(D) Only f
ANSWER: B X	

40. Find the incorrect one regarding material selection of TUBING  
(a) Sour Gas: resistance to H<sub>2</sub>S, > low hardness, stress relieved, > J55, C75, C95 (b) Sweet Gas: CO<sub>2</sub>, provisions for inhibition or appropriate material selection, > L80 13 Cr (c) High H<sub>2</sub>S and CO<sub>2</sub> may warrant special materials like duplex stainless steel and higher nickel and chromium steels.

(A) a & b	(B) Only b
(C) Only c	(D) All correct
ANSWER: A X	

50. Match the following

a. Swab valve (lubricator valve)	I. allow well pressures to be monitored
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(C) (a-V), (b-III), (c-II), (d-VI), (e-I), (f-IV)	(D) (a-VI), (b-I), (c-VI), (d-III), (e-IV), (f-II)
ANSWER: C 2	

60. Which of the following is NOT a function of Side Pocket Mandrel?

(A) To install chemical injection valves to inject inhibitor or any Chemicals.	(B) Using the tubing to "kick-off" the annulus in a tubing annulus dual completion
(C) To install water injection flow regulators in water injection operation	(D) Landing a blanking plug in nipple profile to shut the well or when testing tubing
ANSWER: C X	

70. "X" are used in single or multi string completion when tubing movement is expected. They are capable of maintaining the pressure integrity of the tubing while allowing the string to safely expand or contract. What is "X"?

(A) BLAST JOINT	(B) TUBING SAFETY JOINT
(C) EXPANSION JOINT	(D) FLOW COUPLING
ANSWER: C 2	

80. These are placed at specific point in the tubing string where external cutting or abrasive action is expected. They are machined so the connection will make up flush when more than one joint is used, made to coupling O.D. and tubing I.D. Available in 10 foot, 15 foot and 20 foot length. What are they?

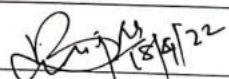
(A) BLAST JOINT	(B) TUBING SAFETY JOINT
(C) EXPANSION JOINT	(D) FLOW COUPLING
ANSWER: D X	

90.  
Assertion (A): The Open hole completions find application in competent formations – especially naturally fractured limestone  
Reason (R): Limestones are usually considered brittle and are therefore likely to have higher Young's moduli than other sedimentary rocks in a basin.

(A) Both A and R are true and R is the correct explanation of A	(B) Both A and R are true, but R is not the correct explanation of A
(C) A is true, but R is false	(D) A is false, but R is true
ANSWER: A ✓	

100.  
Statement: The advisable well completion type for unconsolidated formation is CASED HOLE completion.  
Assumption I: Adaptable to special drilling techniques to minimize formation damage or to prevent lost circulation into the producing zone  
Assumption II: Can effectively control and monitor zonal fluid production  
Assumption III: Log interpretation is not critical since entire interval is open

(A) Only Assumption I follows	(B) Both Assumptions I & III follow
(C) Assumption I, II & III follow	(D) Only Assumption II follows
ANSWER: D ✓	

Mark obtained (out of 20)	14
Name & ID number of the evaluator	Venkata Rami Reddy 2019IPET0049
Signature of the Instructor In Charge	 18/11/22

  
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Participation  
certificate:

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

**Certificate of Participation**  
This is to Certify that

**RIZVI ABUSAMAMA TAHQIQHUSAIN**

has participated in the **Quiz on Workover and Stimulation**, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from **18<sup>th</sup> APRIL, 2022**

Mr. Bhairab Jyoti Gogoi  
Event Coordinator,  
Dept. of Petroleum Engineering

Dr. Sunan Paul  
Head  
Dept. of Petroleum Engineering

Our Sponsors:



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

**Certificate of Participation**  
This is to Certify that

**FIROZA SHAIKH**

has participated in the **Quiz on Workover and Stimulation**, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from **18<sup>th</sup> APRIL, 2022**

Mr. Bhairab Jyoti Gogoi  
Event Coordinator,  
Dept. of Petroleum Engineering

Dr. Sunan Paul  
Head  
Dept. of Petroleum Engineering

REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

Our Sponsors:





# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

---

<b>Event Summary</b>	The event was conducted successfully. Total 30 number of students participate in the event. Top three score holders will be given merit certificate.

**Event Coordinator**

Mr. Bhairab Jyoti Gogoi

Assistant Professor

Department of Petroleum Engineering




# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	BJG14	<b>Date:</b>	13-05-2022 to 05-06-2022
<b>Event Category:</b>	Technical	<b>Event Type:</b>	SEMINAR (Poster Presentation)
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	55
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Poster Presentation on Workover and Stimulation		
<b>Resource Person:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	The main objective of this events is to provide an opportunity to student's to apply their knowledge on Well Design and Construction to solve problems.  This event will help the student to develop- SKILL and EMPLOYBILITY		
<b>Event Photo(s):</b>			


  
REGISTRAR  

### PRESIDENCY UNIVERSITY

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

40  
YEARS  
OF  
EXCELLENCE




## Department of Petroleum Engineering

### Poster Presentation on “Workover and Stimulation”

## PET 228 WORKOVER AND STIMULATION

This SEMINAR aims to improving  
the employability skills of the  
students.



Resource Person:

Mr. Bhairab Jyoti Gogoi

Assistant Professor  
Department of Petroleum Engineering

Who are eligible for Registration?




All 6<sup>th</sup> Semester Petroleum Engineering student


Date: 13-05-2022



(e-certificate will be issued after successful completion of the Course)

**Faculty Coordinator:**  
Mr. Bhairab Jyoti Gogoi  
(e-mail: [bhairabjyoti@presidencyuniversity.in](mailto:bhairabjyoti@presidencyuniversity.in))

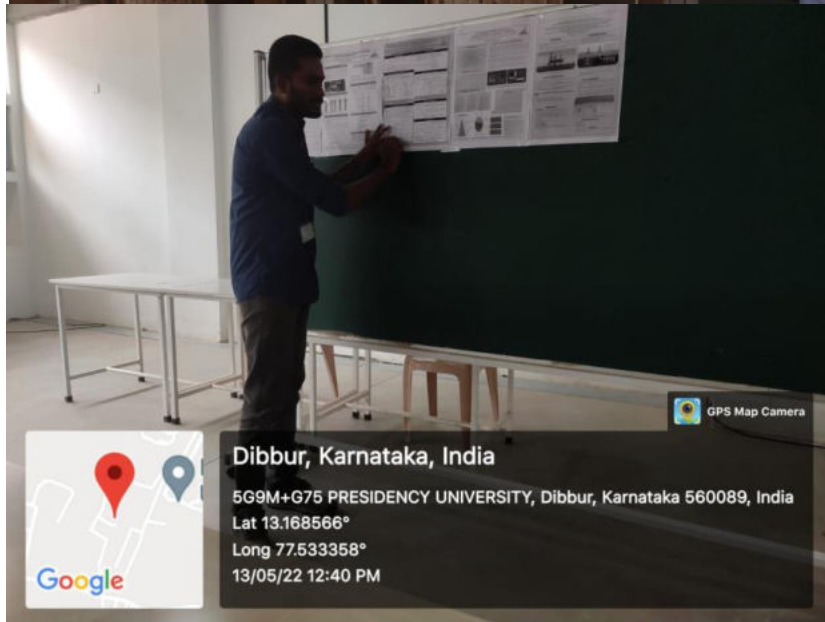
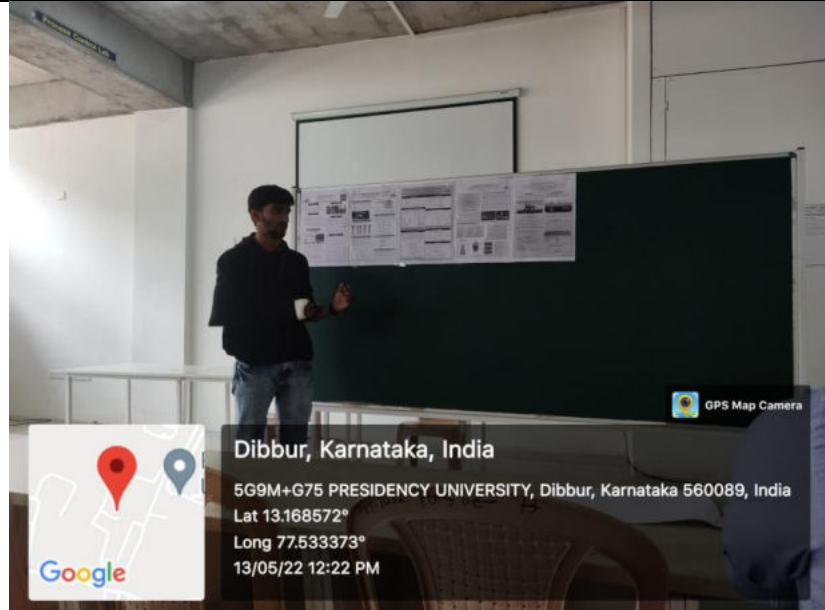
Our Sponsors:

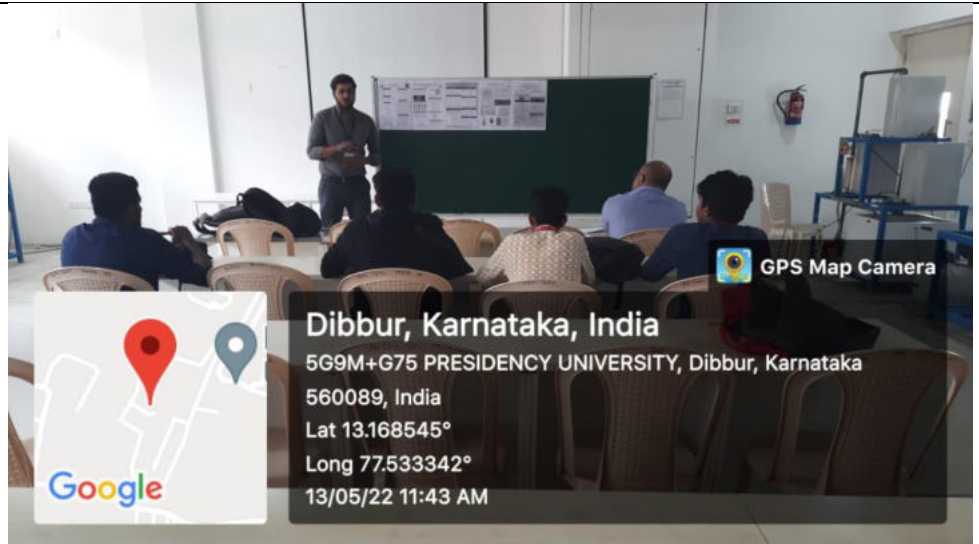


  
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*Sanna*  
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BANGALORE





### List of Participants










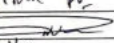
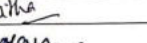

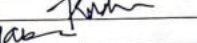
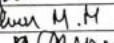



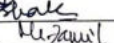















### Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

#### PET 228 WORKOVER AND STIMULATION QUIZ

Date: 21<sup>st</sup> MAY, 2022

Sl. No.	ID No.	Student Name	Signature of the student
1	20191PET0001	AHIL SHA MC	
2	20191PET0002	AKASH S	
3	20191PET0003	AMAN TAHASILDAR	
4	20191PET0004	ASHWIN RAJ R	
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26	20191PET0029	MOHAMMED AFZAL	
27	20191PET0030	MOHAMMED ISHAQ	
28	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	
29	20191PET0033	MOHAMMED REEHAN AZHAR	
30	20191PET0034	MOHAMMED TAHA NAJEEB BASHA	
31	20191PET0035	MOHAMMED UZMAIR M	

Page 1 of 3

  
REGISTRAR  




### Department of Petroleum Engineering

#### Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

32	20191PET0036	MOHAMMED ZAIN Y C	<i>[Signature]</i>
33	20191PET0037	MOHD ZUBAIR	<i>[Signature]</i>
34	20191PET0038	MOIDEEN ANSAF	<i>[Signature]</i>
35	20191PET0039	NABEED MUNNNA	<i>[Signature]</i>
36	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	<i>[Signature]</i>
37	20191PET0041	P SUHAIL AHMED	<i>[Signature]</i>
38	20191PET0042	PRASHANTH R	<i>[Signature]</i>
39	20191PET0043	RISHU SINGH	<i>[Signature]</i>
40	20191PET0044	RIZVI ABUSAMAMA TAHQIQHUSAIN	<i>[Signature]</i>
41	20191PET0046	SAI DINESH M	<i>[Signature]</i>
42	20191PET0048	SAMEER MUHAMMED	<i>[Signature]</i>
43	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	<i>[Signature]</i>
44	20191PET0051	SHAIK MUSTAK	<i>[Signature]</i>
45	20191PET0052	SHAIKH ADNAN ZAKIRHUSAIN	<i>[Signature]</i>
46	20191PET0053	SHRAVAN KUMAR M	<i>[Signature]</i>
47	20191PET0054	SYED IKHLAS	<i>[Signature]</i>
48	20191PET0055	TANIYA K G	<i>[Signature]</i>
49	20191PET0056	TARUN KUMAR A	<i>[Signature]</i>
50	20191PET0057	TAUSEEF NAZIR	<i>[Signature]</i>
51	20191PET0058	TAUSIF AHMED	<i>[Signature]</i>
52	20191PET0059	THOTA GUNA NAGA MURARI	<i>[Signature]</i>
53	20191PET0060	THUFAIL MAJEED A MA M	<i>[Signature]</i>
54	20191PET0061	UPPARAPALLY DIVAKAR REDDY	<i>[Signature]</i>
55	20191PET0062	VEMULA PRASHANTH	<i>[Signature]</i>
56	20191PET0063	YADAVALI VENKAT	<i>[Signature]</i>
57	20191PET0064	MUHAMMED SAFAL S	<i>[Signature]</i>
58	20191PET0067	SHAIK MUJEEB UR REHAMAN	<i>[Signature]</i>
59	20191PET0068	RIZWAN RIZWAN	<i>[Signature]</i>
60	20191PET9002	PILLI KALYAN KUMAR	<i>[Signature]</i>
61	20191PET9004	ANSTIN SUNNY	<i>[Signature]</i>
62	20191PET9006	SHABEER AHMED	<i>[Signature]</i>
63	20191PET9007	JAFFAR SADIQ M R	<i>[Signature]</i>
64	20201LPE0001	MALIPEDDU SAI PRANAV	<i>[Signature]</i>
65	20201LPE0002	SYED SADIQ PASHA K	<i>[Signature]</i>
66	20201LPE0003	SHIVAKUMAR DEVENDRA PATIL	<i>[Signature]</i>

*[Handwritten Signature]*

*[Handwritten Signature]*  
REGISTRAR



Student's report

WOS  
PET 228

### HYDRO FRACTURING AND SHALE GAS REGULATIONS & IMPACTS

Tarun Kumar A(20191PET0056), Tauseef Nazir(20191PET0057),  
Tausif Ahmed(20191PET0058), Guna Murari (20191PET0058),  
Thufail Majeed(20191PET0060), Divakar Reddy(20191PET0061),  
Vemula Prashanth(20191PET0062), Yadavalli Venkat(20191PET0063)

3<sup>rd</sup> Year B.Tech. Petroleum Engineering Student  
Presidency University, Bengaluru

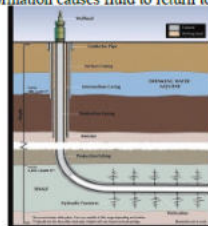


Hydraulic fracturing produces fractures in the rock formation that stimulate the flow of the natural gas or oil, increasing the volumes that can be recovered.

- 1-Fractures are created by pumping large quantities of fluids at high pressure down a wellbore and into the target rock formation.
- 2-commonly consists of water, proppant and chemical additives that open and enlarge fractures within the rock formation.
- 3-Once the injection process is completed, the internal pressure of the rock formation causes fluid to return to the surface through the wellbore.

#### PRODUCTION

HYDRO  
FRACTURING



#### REGULATIONS

- 1-hydraulic fracturing have implemented different regulations, including developing federal and regional legislation, and local zoning limitations.
- 2-France became the first nation to ban hydraulic fracturing, based on the precautionary principle as well as the principal of preventive and corrective action of environmental hazards.
- 3-On 17 December 2014, New York state issued a statewide ban on hydraulic fracturing

- 1-Research has determined that hydraulic fracturing negatively affects human health and drives climate change.
- 2-The environmental impact of hydraulic fracturing is related to land use and water consumption, air emissions, including methane emissions, brine and fracturing fluid leakage, water contamination

#### IMPACTS



SHALE  
GAS

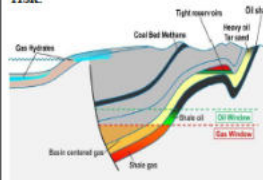
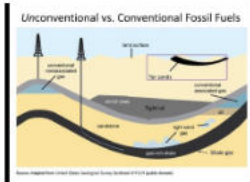


#### PRODUCTION

- 1-Shale gas is natural gas that is found trapped within shale formations. Shale gas has become an increasingly important source of natural gas .
- 2-Shale Oil represents a huge additional global fossil fuel resource. However, extracting oil from the shale is no simple task

- 1-Advances in directional drilling and hydraulic fracturing have sparked a natural gas boom from shale formations in the United States.
- 2-often challenged to respond by budget cuts, a brain drain to industry, regulations designed for conventional gas developments, insufficient information, and deeply polarized debates about hydraulic fracturing and its regulation.
- 3-As a result, shale gas governance remains a halting patchwork of rules, undermining opportunities to effectively characterize and mitigate development risk.

#### REGULATIONS



#### IMPACTS

- 1-The environmental risks of large-scale commercial shale gas development include water consumption, water contamination, seismic inducement and air pollution.
- 2-Compared to conventional oil and gas production and other energy producing industries, shale gas development is not exactly "high-water-consuming" in terms of water consuming intensity
- 3-Greenhouse gas emissions in the life cycle of shale gas wells were estimated.

REFERENCES: 1. science direct  
2. Petro Wiki  
3. <https://www.bgs.ac.uk/geology-projects/shale-gas/>

*Sauva*  
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PRESIDENCY UNIVERSITY  
BANGALORE

### Group – 5

#### HP/HT Matrix Acidizing Treatment of Carbonate Rocks Using A New Retarded HCl Acid

Rizvi Abusamama (20191PET0044), Mohd Zubair (20191PET0037), Rishu Singh (20191PET0043), Moideen Ansaf (20191PET0038), N.V.M Vasista(20191PET0040), Prashanth(20191PET0042), Nabeed Munna(20191PET0039)



### INTRODUCTION

- In matrix stimulation, acid systems are injected below the fracturing pressure
- HCl is commonly used in well acidizing for carbonate reservoirs due to its low cost and availability.
- Organic acids can be used as a replacement for HCL to avoid its limitations of high reaction and corrosion rates at HPHT environments
- This study proposes a new thermally stable retarded HCl acid with a slower reaction and corrosion rate in high-temperature reservoirs (300°F).

### EXPERIMENTAL DESIGN

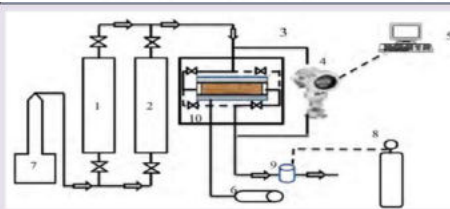


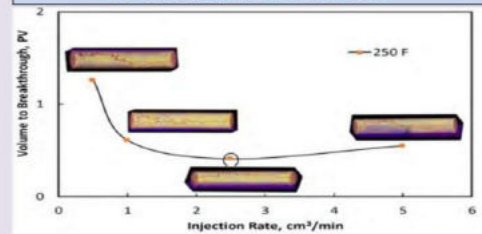
Fig: Schematic for coreflood setup.

- Experimental Setup: 1&2 = accumulators, 3 = core holder, 4 = pressure transducer, 5 = PC recorder, 6 = hand pump for overburden pressure, 7 = syringe pump, 8 = N<sub>2</sub> cylinder, 9 = back pressure regulator, 10 = oven.
- Materials: Retarded HCl, 2wt% KCl was used, solution was prepared by dilution with de-ionized water, corrosion inhibitor.
- Core Preparation: Core samples with diameter 1.5 in. and length 6 in. were drilled from Indiana limestone block.

### EXPERIMENTAL PROCEDURE

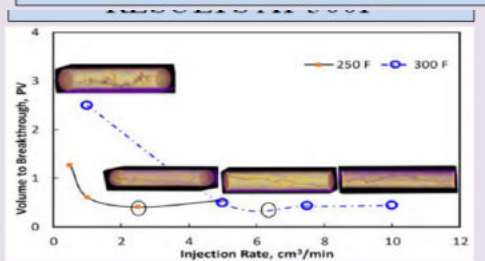
- Two sets of experiments were conducted at 250 and 300°F.
- The step was followed by injection of acid solutions until breakthrough occurred
- Their pH is measured using a potentiometric pH meter.
- The cores is scanned by X-ray computed tomography and the images of wormholes is generated

### RESULTS AT 250F



- The pressure drop increased after the acid reached the core inlet due to the acid/rock-matrix interaction and the generation of CO<sub>2</sub> through the reaction

### RESULTS AT 300F



- Increasing the temperature from 250 to 300°F increased the optimal injection rate from 2.5 to 6 cm<sup>3</sup> /min.
- Fig. summaries the pressure drop across the core and the effluent sample analysis for the experiment set at 300°F.

### CONCLUSION

- Optimal injection rate was found to be 2.5 and 6 cm<sup>3</sup>/min at 250 and 300°F.
- Retarded HCL system in this study has a low PVBT compared to HCl and APC acid systems.
- Injection rate higher than the optimum rate.

### Reference:

- Ibrahim, Ahmed Farid, Nasr-EI-Din, Hisham, and Li Jiang. "HP/HT Matrix Acidizing Treatments of Carbonate Rocks Using A New Retarded HCl Acid System." Paper presented at the International Petroleum Technology Conference, Dhahran, Kingdom of Saudi Arabia, January 2020.

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Participation  
certificate:

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

**Certificate of Participation**

This is to Certify that

**RIZVI ABUSAMAMA TAHQIQHUSAIN**

has participated in the **Poster Presentation on Workover and Stimulation**, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from **13<sup>th</sup> May 2022 to 5<sup>th</sup> June 2022**

Mr. Bhairab Jyoti Gogoi  
Event Coordinator,  
Dept. of Petroleum Engineering

Dr. Sunjan Paul  
Head  
Dept. of Petroleum Engineering

Our Sponsors:



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

**Certificate of Participation**

This is to Certify that

**FIROZA SHAIKH**

has participated in the **Poster Presentation on Workover and Stimulation**, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from **13<sup>th</sup> May 2022 to 5<sup>th</sup> June 2022**

Mr. Bhairab Jyoti Gogoi  
Event Coordinator,  
Dept. of Petroleum Engineering

Dr. Sunjan Paul  
Head  
Dept. of Petroleum Engineering

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Our Sponsors:





# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

### Event Summary

The event was conducted successfully. Total 55 number of students participate in the event. Top three score holders will be given merit certificate.

### Event Coordinator

Mr. Bhairab Jyoti Gogoi

Assistant Professor

Department of Petroleum Engineering

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BANGALORE



# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	UTL05	<b>Date:</b>	17-06-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	22
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Numerical Discretization and Techniques		
<b>Resource Person:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to fundamentals of discretization and numerical techniques for reservoir modeling.		
<b>Event Documents &amp; Photo(s):</b>			

  
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### PRESIDENCY UNIVERSITY

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

40  
YEARS  
OF  
CELEBRATION



## Department of Petroleum Engineering

### Invites Applications for the Quiz Competition On

### PET 258: Numerical Discretization and Techniques

This quiz will be conducted to test the knowledge of students on the topic related to Reservoir Simulation in Oil & Gas, with the primary objective of improving the foundation skills and employability skills of students



**Resource Person:**  
**Mr. Utkarsh Lall**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Sixth semester students of Presidency University, Bengaluru

**Registration Process:**  
On Spot

**Last Date for Registration:** June 16, 2022  
**First Date of Instruction:** June 17, 2022  
**Last Date of Instruction:** June 17, 2022  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. P. Suhail Ahmed, Secretary, SPE Student Chapter (Mobile: +91-7063954995)  
Ms. Firoza Sheikh, Secretary, AAPG Student Chapter (Mobile: +91-8327535090)

**Faculty Coordinator:**  
Mr. Utkarsh Lall  
(e-mail: utkarsh.lall@presidencyuniversity.in)

**Our Sponsors:**






  
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## QUIZ

COURSE CODE: PET 258  
COURSE NAME: RESERVOIR SIMULATION AND MODELING LAB  
DATE: 17-06-2022

S. No.	Name	Student ID	Signature
1	Firoza Sheikh	20191PET0017	Firoza
2	Kadin Lalitha	20191PET0019	Lalitha
3	Syed Ibrahim	20191PET0054	Syed
4	Mohammed Zaid YC	20191PET0036	Zaid
5	Venkata Rami Reddy	20191PET0049	Venkata R.
6	Sameer Muhammed	20191PET0048	Sameer
7	RISHU SINGH	20191PET0043	Rishu
8	Mohd Zubair	20191PET0037	Zubair
9	Shivalumar Pabli	202011PET0003	Pabli
10	Aarsh Sunny	20191PET9004	Aarsh
11	Poojitha.RC	20191PET0049	Poojitha
12	Kushal KC	20191PET0022	Kushal K
13	Sai Dinesh M	20191PET0046	Sai
14	Mojdeem ansaf	20191PET0038	Mojdeem
15	Shahid muzeeb -VA- Rehman	20191PET0067	Shahid
16	Rizvi Abusarama	20191PET0044	Rizvi
17	Mohammed Uzmaia.M	20191PET0035	Mohammed
18	Tauzeef Nadi	20191PET0057	Tauzeef
19	KRITIKA	20191PET0021	Kritika
20	TANIYA K G	20191PET0055	Taniya
21	Melamed Mujumil	20191PET0032	Melamed
22	U.Divakar Reddy	20191PET0061	U.Divakar

List of Participants:

Pabli  
17-06-22

Registrar  
PRESIDENCY UNIVERSITY  
BANGALORE

**List of Winners:**

1 <sup>st</sup>	20191PET0049	SANAMPUDI VENKATA RAMI REDDY
2 <sup>nd</sup>	20201PET0018	SAI DINESH M
3 <sup>rd</sup>	20201PET0014	MOHD ZUBAIR

**Certificate Template:**





**Event Coordinator**

Mr. Utkarsh Lall  
Assistant Professor  
Department of Petroleum Engineering



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# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	BJG13	<b>Date:</b>	19-05-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	22
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Quiz on Well Design and Construction		
<b>Resource Person:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	The main objective of this events is to provide an opportunity to student's to apply their knowledge on Well Design and Construction to solve problems.  This event will help the student to develop- SKILL and EMPLOYBILITY		

  
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Event Photo(s):



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

**Department of Petroleum Engineering**  
**QUIZ on "Well Design and Construction"**

**PET 301 WELL DESIGN AND CONSTRUCTION**

This Quiz aims to improving the employability skills of the students.

**Resource Person:**  
**Mr. Bhairab Jyoti Gogoi**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
All 6<sup>th</sup> Semester Petroleum Engineering student

**Mode of Conduction: OFFLINE**      **Date: 19-05-2022**

(e-certificate will be issued after successful completion of the Course)

**Faculty Coordinator:**  
Mr. Bhairab Jyoti Gogoi  
(e-mail: bhairabjyoti@presidencyuniversity.in)

**Our Sponsors:**   





PRESIDENCY UNIVERSITY  
BENGALURU

SCHOOL OF ENGINEERING

QUIZ-1 ATTENDANCE SHEET

Winter Semester: 2021 - 22  
Course Code: PET 301  
Course Name: Well Design and Construction  
Program & Sem: B.Tech (PET) & VI

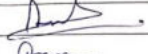


Date: ~~06-05-2022~~ 19-5-2022  
Time: 15 minute  
Max Marks: 20  
Weightage: 10%

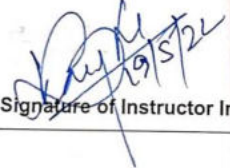
List of Participants

Sl. No.	ID No.	Student Name	Signature of student
1	20191PET0012	FEROZ AHMED KHUDAVAND	A
2	20191PET0015	GILAKA PAVAN	my
3	20191PET0017	HITESH P V	Hitesh P. V
4	20191PET0020	KOKEERAN P	A
5	20191PET0022	KUSHAL K	Kushal K
6	20191PET0023	M MOHAMED ALFIATH	M. Mohamed Alfiath
7	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR	M. Muzammil Patvegar
8	20191PET0033	MOHAMMED REEHAN AZHAR	A
9	20191PET0037	MOHD ZUBAIR	Zubair
10	20191PET0038	MOIDEEN ANSAF	A
11	20191PET0039	NABEED MUNNNA	A
12	20191PET0042	PRASHANTH R	Prashanth R
13	20191PET0043	RISHU SINGH	Rishu
14	20191PET0044	RIZVI ABUSAMAMA TAHQIQHUSAIN	Abusamama
15	20191PET0046	SAI DINESH M	Sai Dinesh M
16	20191PET0048	SAMEER MUHAMMED	A
17	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	Venkat R.
18	20191PET0051	SHAIK MUSTAK	Sh. Mustak
19	20191PET0054	SYED IKHLAS	Syed Ikhlas
20	20191PET0056	TARUN KUMAR A	Tarun
21	20191PET0058	TAUSIF AHMED	A
22	20191PET0059	THOTA GUNA NAGA MURARI	Murari
23	20191PET0061	UPPARAPALLY DIVAKAR REDDY	Divakar
24	20191PET0062	VEMULA PRASHANTH	Prashanth
25	20191PET0063	YADAVALI VENKAT	Y. Venkat
26	20191PET0067	SHAIK MUJEEB UR REHAMAN	A
27	20191PET0068	RIZWAN RIZWAN	Rizwan
28	20191PET9002	PILLI KALYAN KUMAR	Kalyan

Page 1 of 2

*Sanne*  
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BANGALORE

29	20191PET9004	ANSTIN SUNNY	
30	20201LPE0001	MALIPEDDU SAI PRANAV	
31	20201LPE0003	SHIVAKUMAR DEVENDRA PATIL	

  
Signature of Instructor Incharge

Participation  
certificate:





**Certificate of Achievement**  
This is to Certify that  
**MR. MOHD ZUBAIR**

has secured **1<sup>st</sup> Position in Quiz competition on Well Design and Construction,**  
organized by Department of Petroleum Engineering in association with the  
Presidency University Petroleum Forum, SPE Student Chapter and the AAPG  
Student Chapter and the on 19th May 2022.

  
Mr. Bhairab Jyoti Gogoi, Event Coordinator

  
Dr. Suman Paul, HOD, Petroleum

  
REGISTRAR  










**Certificate of Achievement**


This is to Certify that




**MR. SAMEER MUHAMMED**

has secured **2nd Position** in **Quiz competition on Well Design and Construction**,  
organized by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the on 19th May 2022.

  
 Mr. Bhairab Jyoti Gogoi, Event Coordinator

  
 Dr. Suman Paul, HOD, Petroleum









**Certificate of Achievement**

This is to Certify that

**MR. TARUN KUMAR A**

has secured **3rd Position** in **Quiz competition on Well Design and Construction**,  
organized by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the on 19th May 2022.

  
 Mr. Bhairab Jyoti Gogoi, Event Coordinator

  
 Dr. Suman Paul, HOD, Petroleum

  
 REGISTRAR  




# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

### Event Summary

The event was conducted successfully. Total 22 number of students participate in the event. Top three score holders will be given merit certificate.

### Event Coordinator

Mr. Bhairab Jyoti Gogoi

Assistant Professor

Department of Petroleum Engineering

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BANGALORE



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	003	<b>Date:</b>	13-06-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Poster Presentation
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	12
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Poster Presentation on "Unit Operations in Process industry"		
<b>Resource Person:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This poster presentation was conducted to test the knowledge of students on the various types of Unit Operation in Process Industry.		

  
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**Event Documents & Photo(s):**



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

**Department of Petroleum Engineering**  
**Invites Applications for Poster Presentation On**  
**Unit Operation in Process Industry**

The Poster presentation aims to test the knowledge of the students on different types of Unit Operations in Process Industry. The primary objective of this event is to improve the foundation and employability skills of the students.

**Who are eligible for Registration?**  
6<sup>th</sup> Semester Students Presidency University, Bengaluru

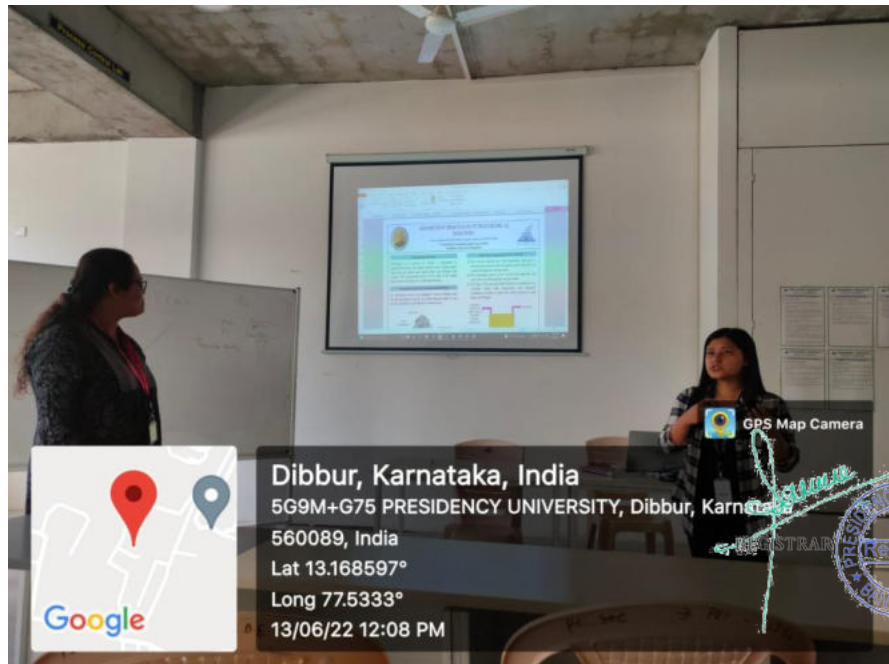
**Registration Process:**  
On-spot Registration

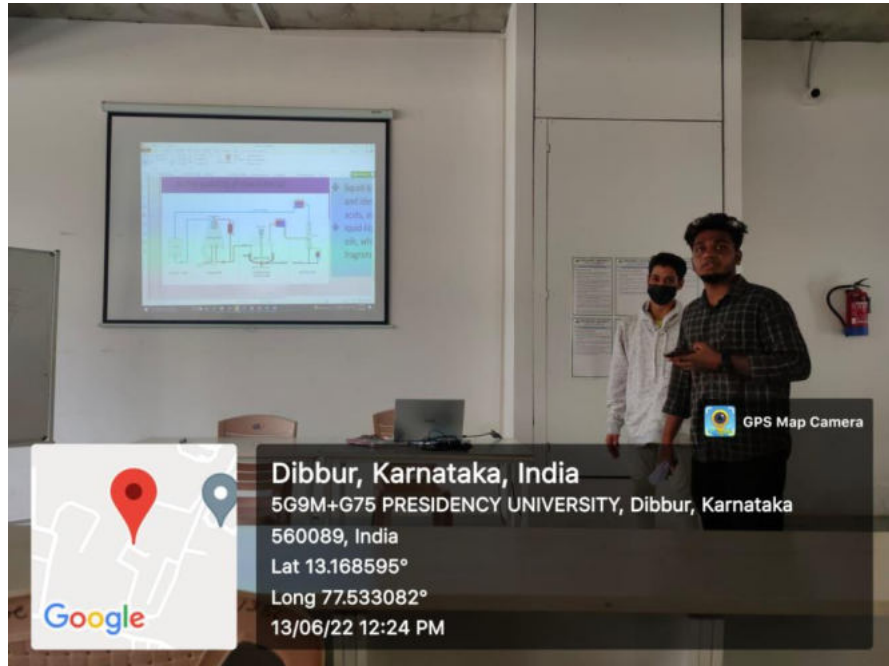
**Last Date for Registration:** June 13, 2022  
**First Date of Instruction:** June 13, 2022  
**Last Date of Instruction:** June 13, 2022  
(e-certificate will be issued after successful completion of the Course)

**Resource Person:**  
**Mr. Ankur Neog**  
Assistant Professor  
Department of Petroleum Engineering

**Faculty Coordinator:**  
Mr. Ankur Neog  
(e-mail: ankurneog@presidencyuniversity.in)

**Our Sponsors:**  
SPE, AAPG, and other industry partners.





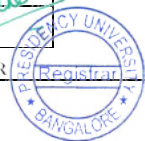
### List of Participants

Sl. No.	ID No.	Student Name
1	20191PET0001	AHIL SHA MC
2	20191PET0002	AKASH S
3	20191PET0004	ASHWIN RAJ R
4	20191PET0013	FIROZA SHEIKH
5	20191PET0014	GANESH KUMAR POTHAN
6	20191PET0016	HARI GOVIND V
7	20191PET0019	KADIRI LALITHA
8	20191PET0026	MOHAMED MUNAWAR HUSSAIN M
9	20191PET0029	MOHAMMED AFZAL
10	20191PET0041	P SUHAIL AHMED
11	20191PET0052	SHAIKH ADNAN ZAKIRHUSAIN
12	20191PET0064	MUHAMMED SAFAL S

### List of Winners & Certificate Template:

1 <sup>st</sup>	20191PET0013	FIROZA SHEIKH
1 <sup>st</sup>	20191PET0019	KADIRI LALITHA
2 <sup>nd</sup>	20191PET0026	MOHAMED MUNAWAR HUSSAIN M
2 <sup>nd</sup>	20191PET0029	MOHAMMED AFZAL

REGISTRAR






**Event Coordinator**

Mr. Ankur Neog  
Assistant Professor  
Department of Petroleum Engineering



REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

<b>Event No.:</b>	JMW05	<b>Date:</b>	20-04-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	12
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Maps and Specifications		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to Maps		
<b>Event Documents &amp; Photo(s):</b>			

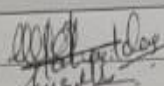
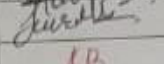
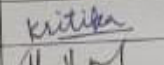
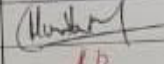


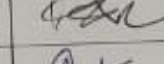
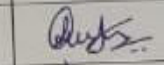

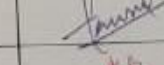
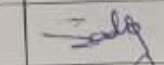
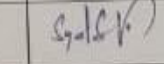




### List of Participants:

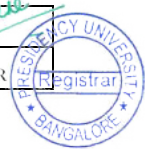
**Quiz - 1**

COURSE CODE: PET 320  
COURSE NAME: REMOTE SENSING & GIS  
DATE: 20-04-2022

Sl. No.	Student ID No	Name	Signature
1	20191PET0003	AMAN TAHASILDAR	
2	20191PET0008	BIRAJDAR SAURABH SURYAKANT	
3	20191PET0009	C S NISHANT	AB
4	20191PET0021	KRITIKA	
5	20191PET0024	MIDHUN M M	
6	20191PET0028	MOHAMMED ADNAN	AB
7	20191PET0034	MOHAMMED TAHA NAJEEB BASHA	AB
8	20191PET0035	MOHAMMED UZMAIR M	
9	20191PET0036	MOHAMMED ZAIN Y C	
10	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA	
11	20191PET0053	SHRAVAN KUMAR M	
12	20191PET0055	TANIYA K G	
13	20191PET0057	TAUSEEF NAZIR	
14	20191PET0060	THUFAIL MAJEED A MA M	AB
15	20191PET9006	SHABEER AHMED	AB
16	20191PET9007	JAFFAR SADIQ M R	
17	20201LPE0002	SYED SADIQ PASHA K	

### List of Winners:

1 <sup>st</sup>	20191PET0055	TANIYA K G
2 <sup>nd</sup>	20191PET0053	SHRAVAN KUMAR M



Certificate  
Template:

  
**Certificate of Achievement**  
 This is to Certify that  
**MS. TANIYA K G**  
 has secured 1<sup>st</sup> Position in QUIZ Competition on “Maps and Specifications”  
 organized by the SPE Student Chapter and the Department of Petroleum Engineering,  
 Presidency University Bengaluru on 20<sup>th</sup> April 2022.

  
 Ms. Jain Mariyate Wilson  
 Assistant Professor  
 Event Judge

  
 Dr. Suman Paul  
 Head of the Department  
 Faculty Advisor, SPE SC



  
**Certificate of Achievement**  
 This is to Certify that  
**MR. SHRAVAN KUMAR M**  
 has secured 2<sup>nd</sup> Position in QUIZ Competition on “Maps and  
 Specifications” organized by the SPE Student Chapter and the Department of  
 Petroleum Engineering, Presidency University Bengaluru on 20<sup>th</sup> April 2022.

  
 Ms. Jain Mariyate Wilson  
 Assistant Professor  
 Event Judge

  
 Dr. Suman Paul  
 Head of the Department  
 Faculty Advisor, SPE SC



  
 REGISTRAR  




# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064


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**Event Coordinator**

Ms. Jain Mariyate Wilson  
Assistant Professor  
Department of Petroleum Engineering

REGISTRAR

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BANGALORE

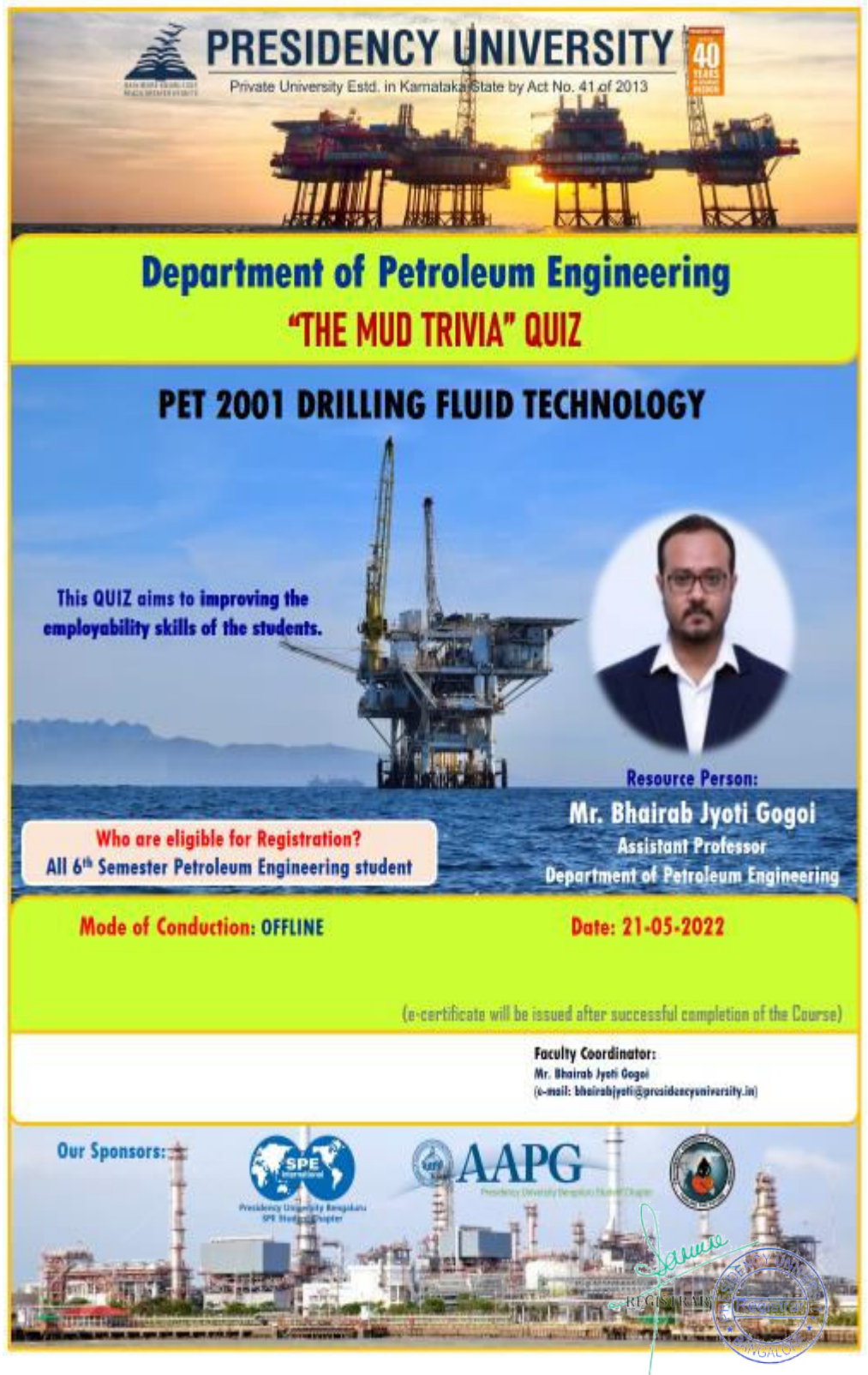
<b>Event No.:</b>	BJG15	<b>Date:</b>	21-05-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	24
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	MUD TRIVIA 1.0		
<b>Resource Person:</b>	Mr Bhairab Jyoti Gogoi Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	<p>The main objective of this events is to provide an opportunity to student's to apply their knowledge on Well Design and Construction to solve problems.</p> <p>This event will help the student to develop- SKILL and EMPLOYBILITY</p>		
<b>Event Photo(s):</b>	 <p>Dibbur, Karnataka, India 5G9M+G75, Dibbur, Karnataka 560089, India Lat 13.168694° Long 77.533403° 21/05/22 11:51 AM</p> <p>GPS Map Camera</p> <p>REGISTRAR PRESIDENCY UNIVERSITY BANGALORE</p>		



*Sanna*  
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BANGALORE



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

**40 YEARS**  
OF  
PRINCIPAL

### Department of Petroleum Engineering

### "THE MUD TRIVIA" QUIZ

### PET 2001 DRILLING FLUID TECHNOLOGY

This QUIZ aims to improving the employability skills of the students.

**Resource Person:**  
**Mr. Bhairab Jyoti Gogoi**  
Assistant Professor  
Department of Petroleum Engineering




**Who are eligible for Registration?**  
All 6<sup>th</sup> Semester Petroleum Engineering student

**Mode of Conduction: OFFLINE** **Date: 21-05-2022**


(e-certificate will be issued after successful completion of the Course)

**Faculty Coordinator:**  
Mr. Bhairab Jyoti Gogoi  
(e-mail: [bhairabjyoti@presidencyuniversity.in](mailto:bhairabjyoti@presidencyuniversity.in))

**Our Sponsors:**



### List of Participants




**Department of Petroleum Engineering**  
**Presidency University, Bengaluru**  
Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

**PET 2001 DRILLING FLUID TECHNOLOGY**  
**QUIZ**

Date: 21<sup>st</sup> MAY, 2022

Sl. No.	ID No.	Student Name	Signature
1	20211PET0001	MOHAMED SAADULLAH S	
2	20211PET0002	ROSHAN T	
3	20211PET0003	SYED LUQMAN J	
4	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI	
5	20211PET0005	MOHAMMAD SUHAIL	
6	20211PET0006	FAHAD ALI KHAN	
7	20211PET0008	VANKALA JAI SPHOORTHY	
8	20211PET0009	AFAEEZ	
9	20211PET0010	HITHESH T	
10	20211PET0011	GANUGA ROSHAN	
11	20211PET0012	MOHAMED NAIF NIHAD ALI	
12	20211PET0013	DEEPAK JADHAV	
13	20211PET0014	DARSHAN D P	
14	20211PET0015	MOHAMMAD YASIR BYAKOD	
15	20211PET0016	ASMA THASNIM	
16	20211PET0017	IBRAHIM NAWAZ M	
17	20211PET0018	SANDEEP IYAGAR	
18	20211PET0019	KIRAN EKIRAN	
19	20211PET0020	YASHWANTH GOWDA M	
20	20211PET0021	MAYUR P	
21	20211PET0022	YASHWANTH S	
22	20211PET0023	MOHAMMED SHABAZ KHALANDER D	
23	20211PET0024	BOLLAMA REDDY HIMAVENKATA MANKANTHA	
24	20211PET0025	FAZIL SHAREEF H A	
25	20211PET0026	PATEL MOHAMMED ADNAN MOHAMMED GOUS	
26	20211PET0027	SYED USMAN	





**Event Coordinator**  
Mr. Bhairab Jyoti Gogoi  
Assistant Professor  
Department of Petroleum Engineering

  
REGISTRAR



Student's report

PHASE-1 [21.05.2022 (SATURDAY)] Duration: 25 minute [11.50 AM to 12.15 PM]	
Team Name:	MUD SPOTLIGHT
Member-1:	HITHESH. T
Member-2:	MOHAMMAD YASIR BYAKOD
<b>Each question carries 1 Mark, Any wrong answer marked by the students will lead to deduction of 0.33 mark</b>	
1. In 347 BC, before well drilling began in the western world - both by mean of percussion or rotary system - they knew and used drilling fluids (mainly water) for two purposes: to soften rock formations and to removing the drilling cuttings. Which country use this?	
A. US	C. JAPAN
B. UK	D. CHINA
Answer:	D
2. Circulation of water was proposed in a patent application filed by Robert Beart in England in?	
A. 1801	C. 1887
B. 1844	D. 1901
Answer:	C
3. The first-ever drilling fluid used was	
A. Oil	C. Emulsion
B. Water	D. None of the above
Answer:	B
4. Water was used as first drilling fluid in	
A. 1840	C. 1850
B. 1845	D. 1855
Answer:	A
5. In mud program, factors needing to be considered are	
A. Location of wells	C. Mud properties
B. Expected lithology	D. All of the above
Answer:	D
6. Which one is responsible for circulating mud to the formation?	
A. Hoisting system	C. Power system
B. Circulating system	D. Rotary system
Answer:	D
7. The drilling fluid does not:	
A. Help with wellbore stability	C. Produce oil
B. Lubricate drill bit	D. Transport solids
Answer:	C
Mud Mania 3.0 Phase-1 (21-05-2022)	
<p style="text-align: center;">  21/5/22            21/5/2022         </p>	

  
 REGISTRAR  




8. How many gallons of mud in one Barrel?	
A. 4	C. 26
B. 19	D. 42
Answer:	<u>D</u>
9. What one is not a density product?	
A. Barite	C. Calcium Carbonate
B. Salts	D. Caustic Soda
Answer:	<u>C</u>
10. What is not a Loss return Indicator?	
A. Partial to no return at shakers	C. Increased torque
B. Drop in pit levels	D. Loss of pump pressure
Answer:	<u>C</u>
11. In what Unit do we measure the particle sizes?	
A. Watt	C. Joule
B. Newton	D. Micron
Answer:	<u>D</u>
12. What is the specific gravity of Barite?	
A. 1.20	C. 3.2
B. 2.20	D. 4.2
Answer:	<u>D</u>
13. Why do we add barite to the drilling mud?	
A. To increase temperature	C. To increase velocity
B. To increase density	D. To change color
Answer:	<u>B</u>
14. What is not a typical mud additive?	
A. Bentonite	C. Lignite
B. CO <sub>2</sub>	D. Caustic Soda
Answer:	<u>B</u>
15. Salt water drilling fluids are prepared from	
A. Brine water	C. Sea water
B. Dry sodium chloride	D. All of the above
Answer:	<u>D</u>
16. Distinction between fresh-water and inhibited muds is based on	
A. Salt concentration	C. Oil concentration
B. Additive concentration	D. None of the above
Answer:	<u>B</u>
17. The main governing factor for selecting the type of drilling fluid is the	
A. Type of expected formation fluid	C. Type of mud pumps
B. Type of the formation	D. All of the above
Answer:	<u>D</u>

Mud Mania 3.0 Phase-1 (21-05-2022)

*H. H. H.* 21/5/22 *[Signature]* 21/5/2022

<b>18. What is the importance of removing drill cutting off the well?</b>	
A. Reducing the horsepower required to run the circulating system	C. Reducing the needed circulating rate
B. Knowing some information about the drilled formation	D. All of the above
Answer:	D ✓
<b>19. The mud properties that are responsible for removing the cutting out of the well are</b>	
A. Gel strength and viscosity	C. Viscosity and density
B. Gel strength and density	D. None of the above
Answer:	A ✓
<b>20. The mud property that is responsible for providing the necessary hydrostatic pressure is</b>	
A. Mud viscosity	C. Mud weight
B. Gel strength	D. All of the above
Answer:	C ✓
<b>21. The following objectives are set for mud engineering. Which one is not the correct answer?</b>	
A. Reach the target depth	C. Maximize the rate of penetration
B. Minimize well cost	D. Enhance the oil production
Answer:	C ✓
<b>22. The correct selection of drilling fluid directly affects</b>	
A. The rate of penetration	C. Overall drilling cost
B. Drilling fluids cost	D. All of the above
Answer:	D ✓
<b>23. Bentonite mixed with water produces slurry with</b>	
A. Viscosity	greater than water.
B. Density	C. Salt concentration
Answer:	D ✓
<b>24. Air with additives is referred to as,</b>	
A. Pollution	C. Foam
B. Vapors	D. None of the above
Answer:	A ✓
<b>25. Which of the following is not an example of Pneumatic Drilling fluid?</b>	
A. FOAM BASED DRILLING FLUID	C. APRON BASED DRILLING FLUID
B. SYNTHETIC BASED DRILLING FLUID	D. MIST BASED DRILLING FLUID
Answer:	B ✓

$13 - (11 \times 0.33)$   
 $29.37$

21/5/22  
 Registrar  
 20/5/2022

Mud Mania 3.0 Phase-1 (21-05-2022)

Registrar



Phase-1 (21-05-2022 (SATURDAY)) Duration: 25 minute [11.50 AM to 12.15 PM]	
Team Name:	DRILL ROCKERS
Member-1:	Darshan DP
Member-2:	Sandeep Tyagar
<b>Each question carries 1 Mark. Any wrong answer marked by the students will lead to deduction of 0.33 mark</b>	
1. In 347 BC, before well drilling began in the western world - both by mean of percussion or rotary system - they knew and used drilling fluids (mainly water) for two purposes: to soften rock formations and to removing the drilling cuttings. Which country use this?	
A. US	C. JAPAN
B. UK	D. CHINA
Answer:	A
2. Circulation of water was proposed in a patent application filed by Robert Beart in England in?	
A. 1801	C. 1887
B. 1844	D. 1901
Answer:	C
3. The first-ever drilling fluid used was	
A. Oil	C. Emulsion
B. Water	D. None of the above
Answer:	B
4. Water was used as first drilling fluid in	
A. 1840	C. 1850
B. 1845	D. 1855
Answer:	B
5. In mud program, factors needing to be considered are	
A. Location of wells	C. Mud properties
B. Expected lithology	D. All of the above
Answer:	D
6. Which one is responsible for circulating mud to the formation?	
A. Hoisting system	C. Power system
B. Circulating system	D. Rotary system
Answer:	D
7. The drilling fluid does not:	
A. Help with wellbore stability	C. Produce oil
B. Lubricate drill bit	D. Transport solids
Answer:	C
ania 3.0 Phase-1 (21-05-2022)	
<p style="text-align: center;">Darshan D.P 21/05/2022</p> <p style="text-align: center;">Sandeep 21/05/2022</p>	

  
 REGISTRAR  


8. How many gallons of mud in one Barrel?	
A. 4	C. 26
B. 19	D. 42
Answer:	D
9. What one is not a density product?	
A. Barite	C. Calcium Carbonate
B. Galls	D. Caustic Soda
Answer:	B
10. What is not a Loss return indicator?	
A. Partial to no return of shakers	C. Increased torque
B. Drop in pit levels	D. Loss of pump pressure
Answer:	A
11. In what Unit do we measure the particle sizes?	
A. Watt	C. Joule
B. Newton	D. Micron
Answer:	D
12. What is the specific gravity of Barite?	
A. 1.20	C. 3.2
B. 2.20	D. 4.2
Answer:	C
13. Why do we add barite to the drilling mud?	
A. To increase temperature	C. To increase velocity
B. To increase density	D. To change color
Answer:	B
14. What is not a typical mud additive?	
A. Bentonite	C. Lignite
B. CO <sub>2</sub>	D. Caustic Soda
Answer:	B
15. Salt water drilling fluids are prepared from	
A. Brine water	C. Sea water
B. Dry sodium chloride	D. All of the above
Answer:	A
16. Distinction between fresh-water and inhibited muds is based on	
A. Salt concentration	C. Oil concentration
B. Additive concentration	D. None of the above
Answer:	B
17. The main governing factor for selecting the type of drilling fluid is the	
A. Type of expected formation fluid	C. Type of mud pumps
B. Type of the formation	D. All of the above
Answer:	B

Mud Mania 3.0 Phase-1 (21-05-2022)

Darshan D. J  
21/05/22

Sandeep  
21/05/2022

*Sandeep*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

18. What is the importance of removing drill cutting off the well?	
A. Reducing the horsepower required to run the circulating system	C. Reducing the needed circulating rate
B. Knowing some information about the drilled formation	D. All of the above
Answer:	B ✓
19. The mud properties that are responsible for removing the cutting out of the well are	
A. Gel strength and viscosity	C. Viscosity and density
B. Gel strength and density	D. None of the above
Answer:	C ✓
20. The mud property that is responsible for providing the necessary hydrostatic pressure is	
A. Mud viscosity	C. Mud weight
B. Gel strength	D. All of the above
Answer:	D ✓
21. The following objectives are set for mud engineering. Which one is not the correct answer?	
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B. Minimize well cost	D. Enhance the oil production
Answer:	A ✓
22. The correct selection of drilling fluid directly affects	
A. The rate of penetration	C. Overall drilling cost
B. Drilling fluids cost	D. All of the above
Answer:	D ✓
23. Bentonite mixed with water produces slurry with _____ greater than water.	
A. Viscosity	C. Salt concentration
B. Density	D. All of the above
Answer:	B ✓
24. Air with additives is referred to as,	
A. Pollution	C. Foam
B. Vapors	D. None of the above
Answer:	A ✓
25. Which of the following is not an example of Pneumatic Drilling fluid?	
A. FOAM BASED DRILLING FLUID	C. APRON BASED DRILLING FLUID
B. SYNTHETIC BASED DRILLING FLUID	D. MIST BASED DRILLING FLUID
Answer:	B ✓


12 - (0.25 x 19)  
7.71

Darshan P  
21/08/22

Sandeep  
21/05/2022

Mud Mania 3.0 Phase-1 (21-05-2022)

Registrar  
PRESIDENCY UNIVERSITY  
BANGALORE

<p>Participation certificate:</p>	 <p><b>PRESIDENCY UNIVERSITY</b> Private University Estd. in Karnataka State by Act No. 41 of 2013</p> <p><b>Certificate of Participation</b></p> <p>This is to Certify that</p> <p><b>SYED LUQMAN J</b></p> <p>has participated in the <b>THE MUD TRIVIA-QUIZ</b>, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from <b>21<sup>st</sup> May, 2022</b></p> <p>Mr. Bhairab Jyoti Dogol Event Coordinator Dept. of Petroleum Engineering</p> <p>Dr. Suman Paul Head Dept. of Petroleum Engineering</p> <p>Our Sponsors:   </p>
	 <p><b>PRESIDENCY UNIVERSITY</b> Private University Estd. in Karnataka State by Act No. 41 of 2013</p> <p><b>Certificate of Participation</b></p> <p>This is to Certify that</p> <p><b>DARSHAN D P</b></p> <p>has participated in the <b>THE MUD TRIVIA-QUIZ</b>, conducted by Department of Petroleum Engineering in association with the Presidency University Petroleum Forum, SPE Student Chapter and the AAPG Student Chapter and the event was conducted from <b>21<sup>st</sup> May, 2022</b></p> <p>Mr. Bhairab Jyoti Dogol Event Coordinator Dept. of Petroleum Engineering</p> <p>Dr. Suman Paul Head Dept. of Petroleum Engineering</p> <p>Our Sponsors:   </p> <p> REGISTRAR</p> 



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

### Event Summary

The event was conducted successfully. Total 24 number of students participate in the event. Top three score holders will be given merit certificate.

### Event Coordinator

Mr. Bhairab Jyoti Gogoi

Assistant Professor

Department of Petroleum Engineering

REGISTRAR

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PRESIDENCY UNIVERSITY  
BANGALORE



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	004	<b>Date:</b>	14-06-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Poster Presentation
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	25
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Poster Presentation on "HSE Disaster and mitigation"		
<b>Resource Person:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This poster presentation was conducted to test the knowledge of students on the concepts of disaster mitigation methods.		

  
REGISTRAR  




Event Documents &  
Photo(s):



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

**40**  
YEARS  
OF  
EXCELLENCE

**Department of Petroleum Engineering**  
**Invites Applications for Poster Presentation On**  
**HSE Disaster and Mitigation**

The Poster presentation aims to test the knowledge of the students on different methods of disaster mitigation. The primary objective of this event is to improve the foundation and employability skills of the students.

**Who are eligible for Registration?**  
4<sup>th</sup> Semester Students Presidency University, Bengaluru

**Registration Process:**  
On-spot Registration

**Last Date for Registration: June 14, 2022**  
**First Date of Instruction: June 14, 2022**  
**Last Date of Instruction: June 14, 2022**  
(a-certificate will be issued after successful completion of the Course)

**Resource Person:**  
**Mr. Ankur Neog**  
Assistant Professor  
Department of Petroleum Engineering

**Faculty Coordinator:**  
Mr. Ankur Neog  
(e-mail: ankurneog@presidencyuniversity.in)

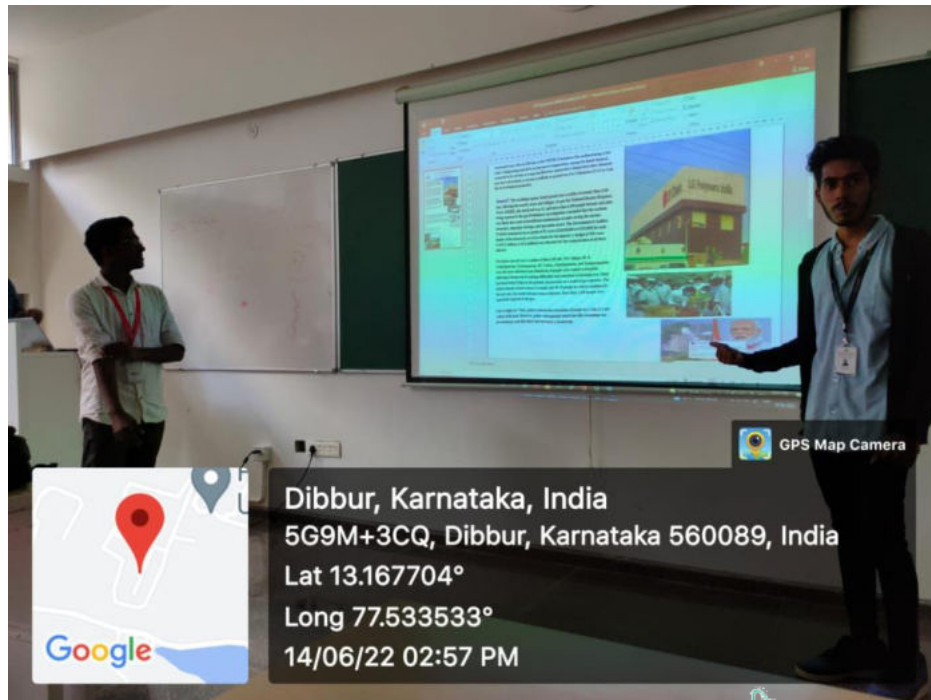
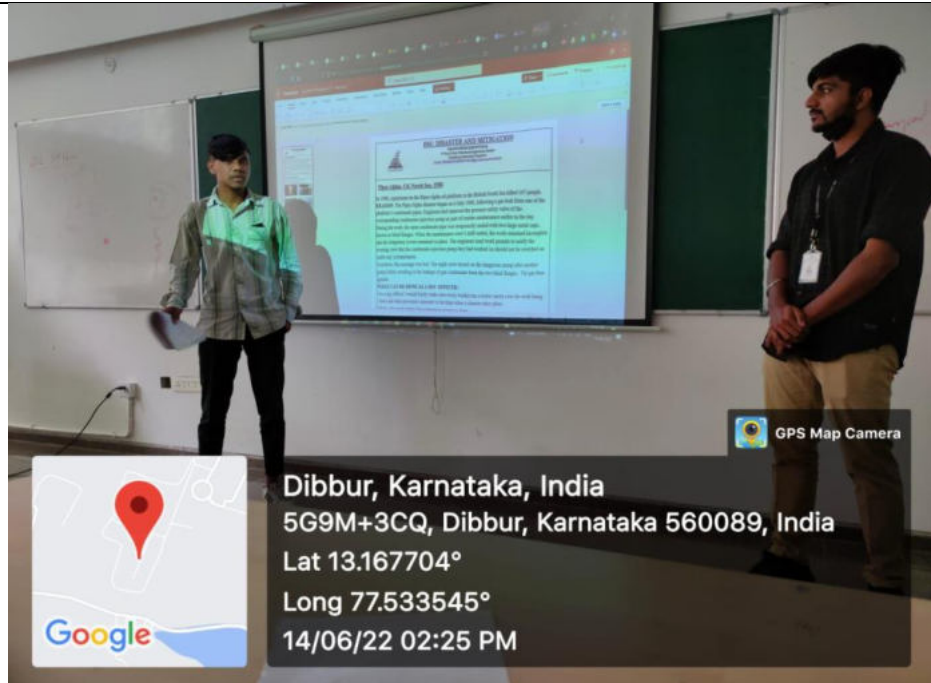
**Our Sponsors:**

SPE  
Presidency University Bengaluru  
SPE Student Chapter

AAPG  
Presidency University Bengaluru Student Chapter

*Sanna*  
REGISTRAR





*Soumya*  
 REGISTRAR  
 PRESIDENCY UNIVERSITY  
 BANGALORE

**List of Participants**

Sl. No.	ID No.	Student Name
1	20201PET0001	SOHAEL K S

	2	20201PET0004	RACHAN BALAKRISHNA SHETTY
	3	20201PET0006	PRAVEEN B
	4	20201PET0008	NALLABHOTULA DUSHYANTH
	5	20201PET0009	KOTISHWARAN V
	6	20201PET0010	PRADEEP KUMAR RATHOD
	7	20201PET0011	A M RIZWAN
	8	20201PET0012	MOHAMMED SHAZAN
	9	20201PET0014	ZAHEED AHMED
	10	20201PET0015	MUJTBA AAMIR AHMED
	11	20201PET0016	SIDHARTH MURALI
	12	20201PET0017	BHOOMIKA SATISH
	13	20201PET0018	NUTHAN M S
	14	20201PET0019	PRANAV. A
	15	20201PET0021	R JANARDHAN REDDY
	16	20201PET0022	MOHAMMED SHADIM D K
	17	20201PET0023	PRATHIVRAJ S
	18	20201PET0026	AJMAL AKBAR BABU
	19	20201PET0029	PAVAN GOUD
	20	20201PET0030	AQIB AHMED SHARIEEF
	21	20201PET0031	BANDLA HAREESH
	22	20201PET0033	SHEKAR
	23	20201PET0034	KOMMINENI HEMANTH
	24	20201PET9001	MOHAMMED SHAHID
	25	20201PET9002	NITIN
	<b>List of Winners &amp; Certificate Template:</b>	1 <sup>st</sup>	20201PET0012
1 <sup>st</sup>		20201PET0014	ZAHEED AHMED
2 <sup>nd</sup>		20201PET0016	SIDHARTH MURALI
2 <sup>nd</sup>		20201PET0006	PRAVEEN B
2 <sup>nd</sup>			
3 <sup>rd</sup>			
3 <sup>rd</sup>			
3 <sup>rd</sup>			

  
 REGISTRAR  




**Event Coordinator**

Mr. Ankur Neog  
Assistant Professor  
Department of Petroleum Engineering



REGISTRAR



<b>Event No.:</b>	001	<b>Date:</b>	13-05-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Quiz Competition
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	25
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		

<b>Event Title:</b>	Quiz on "Deep Water Horizon"
<b>Resource Person:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the disaster occurred in Deep Water Horizon

**Event Documents & Photo(s):**

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

**Department of Petroleum Engineering**  
Invites Applications for Quiz Competition On  
**Deep Water Horizon**

The Quiz Competition aims to test the knowledge of the students on the disaster which happened in Deep Water Horizon. The primary objective of this event is to improve the foundation and employability skills of the students.

**Who are eligible for Registration?**  
4<sup>th</sup> Semester Students Presidency University, Bengaluru

**Registration Process:**  
On-spot Registration

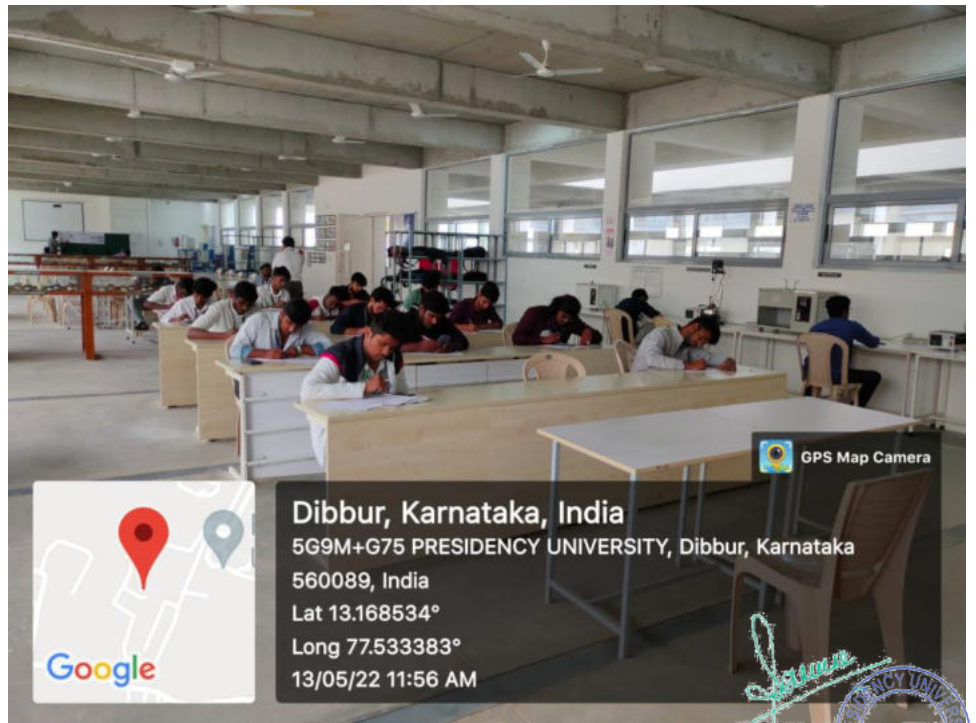
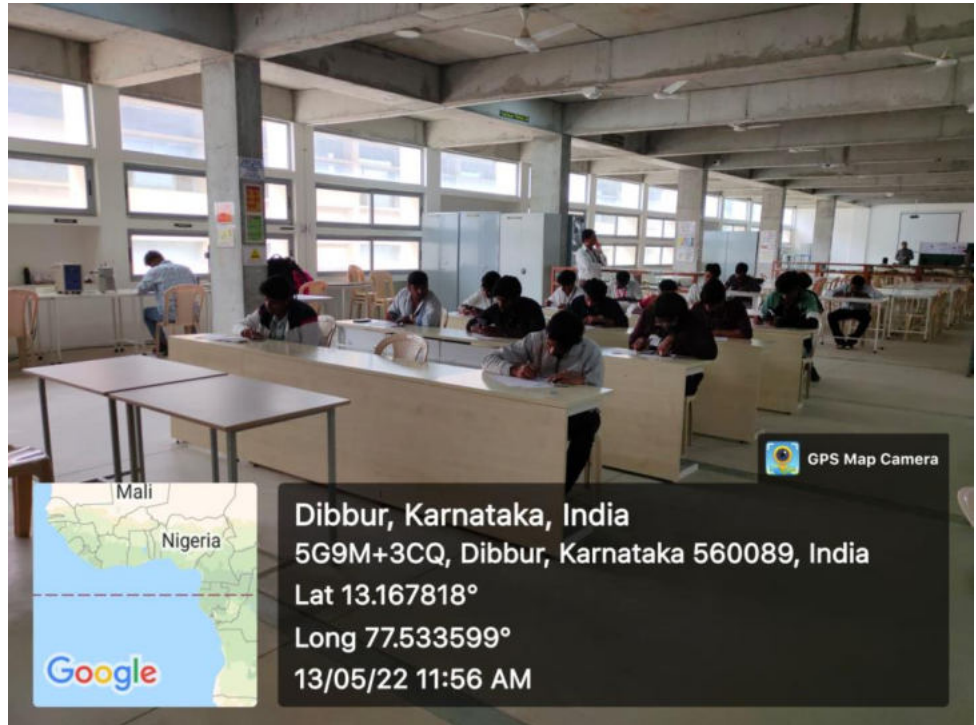
**Last Date for Registration: May 13, 2022**  
**First Date of Instruction: May 13, 2022**  
**Last Date of Instruction: May 13, 2022**  
(Certificates will be issued after successful completion of the Course)

**Resource Person:**  
**Mr. Ankur Neog**  
Assistant Professor  
Department of Petroleum Engineering

**Faculty Coordinator:**  
Mr. Ankur Neog  
(e-mail: ankurneog@presidencyuniversity.in)

**Our Sponsors:** SPE, AAPG

*Ankur Neog*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE



REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

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

List of Winners & Certificate Template:	1 <sup>st</sup>	20201PET0012	MOHAMMED SHAZAN
	1 <sup>st</sup>	20201PET0022	MOHAMMED SHADIM D K
	2 <sup>nd</sup>	20201PET0011	A M RIZWAN
	2 <sup>nd</sup>	20201PET0015	MUJTBA AAMIR AHMED
	2 <sup>nd</sup>	20201PET0017	BHOOMIKA SATISH

  
 REGISTRAR  




**Event Coordinator**

Mr. Ankur Neog  
Assistant Professor  
Department of Petroleum Engineering



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PRESIDENCY UNIVERSITY  
BANGALORE





# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	UTL01	<b>Date:</b>	19-04-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	13
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Soft Computing Techniques in Upstream		
<b>Resource Person:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to fundamentals of soft computing techniques in upstream.		

  
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Event Documents & Photo(s):



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

**40 YEARS**  
OF  
EXCELLENCE

### Department of Petroleum Engineering

### Invites Applications for the Quiz Competition On

### PET 1003: Soft Computing Techniques in Upstream

This quiz will be conducted to test the knowledge of students on the topic related to Soft Computing Techniques in Oil & Gas, with the primary objective of improving the foundation skills and employability skills of students

**Who are eligible for Registration?**  
Fourth semester students of Presidency University, Bengaluru

**Resource Person:**  
**Mr. Utkarsh Lall**  
Assistant Professor  
Department of Petroleum Engineering

**Registration Process:**  
On Spot

**Last Date for Registration:** April 18, 2022  
**First Date of Instruction:** April 19, 2022  
**Last Date of Instruction:** April 19, 2022  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Sidharth Murali (Mobile: +91-7358315123)  
Mr. Mohammed Shazan (Mobile: +91-938007621)

**Faculty Coordinator:**  
Mr. Utkarsh Lall  
(e-mail: [utkarsh.lall@presidencyuniversity.in](mailto:utkarsh.lall@presidencyuniversity.in))

**Our Sponsors:**



*Sauve*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE


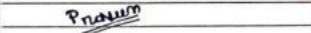




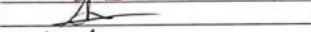

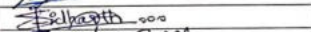






**List of Participants:**

*Sanna*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

## QUIZ

COURSE CODE: PET 1003  
COURSE NAME: DATA ANALYTICS FOR OIL AND GAS EXPLORATION  
DATE: 19-04-2022

S. No.	NAME	Student ID	Signature
1.	RACHAN BALAKRISHNA SHETTY	20201PET0004	
2.	PRAVEEN B	20201PET0006	
3.	NALLABHOTULA DUSHYANTH	20201PET0008	
4.	KOTISHWARAN V	20201PET0009	
5.	PRADEEP KUMAR RATHOD	20201PET0010	
6.	A M RIZWAN	20201PET0011	
7.	MOHAMMED SHAZAN	20201PET0012	
8.	MUJTBA AAMIR AHMED	20201PET0015	
9.	SIDHARTH MURALI	20201PET0016	
10.	BHOOMIKA SATISH	20201PET0017	
11.	PRATHIVRAJ S	20201PET0023	
12.	AJMAL AKBAR BABU	20201PET0026	
13.	KOMMINENI HEMANTH	20201PET0034	

### List of Winners:

1 <sup>st</sup>	20201PET0012	Mohammed Shazan
2 <sup>nd</sup>	20201PET0010	Pradeep Kumar Rathod
2 <sup>nd</sup>	20191PET0016	Sidharth Murali

  
REGISTRAR  


Certificate  
Template:



*Suman*  
REGISTRAR  
  
PRESIDENCY UNIVERSITY  
BANGALORE



**Event Coordinator**

Mr. Utkarsh Lall  
Assistant Professor  
Department of Petroleum Engineering



REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE



# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	UTL03	<b>Date:</b>	20-04-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	20
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Oil and Gas Drilling Trivia		
<b>Resource Person:</b>	Mr. Utkarsh Lall Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to fundamentals of Oil and Gas Drilling Technology.		

  
REGISTRAR  


Event Documents & Photo(s):



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

**40 YEARS**  
OF  
EXCELLENCE

### Department of Petroleum Engineering

### Invites Applications for the Quiz Competition On

### PET 2003: Oil and Gas Drilling Trivia

This quiz will be conducted to test the knowledge of students on the topic related to Drilling Technologies in Oil & Gas, with the primary objective of improving the foundation skills and employability skills of students

**Who are eligible for Registration?**  
Fourth semester students of Presidency University, Bengaluru

**Resource Person:**  
**Mr. Utkarsh Lall**  
Assistant Professor  
Department of Petroleum Engineering

**Registration Process:**  
On Spot

**Last Date for Registration:** April 19, 2022  
**First Date of Instruction:** April 20, 2022  
**Last Date of Instruction:** April 20, 2022  
(e-certificate will be issued to the top 3 participants)

**Student Coordinators:**  
Mr. Sidharth Murali (Mobile: +91-7358315123)  
Mr. Mohammed Shazan (Mobile: +91-938007621)

**Faculty Coordinator:**  
Mr. Utkarsh Lall  
(e-mail: [utkarsh.lall@presidencyuniversity.in](mailto:utkarsh.lall@presidencyuniversity.in))

**Our Sponsors:**



SPE  
Presidency University Bangalore  
SPE Student Chapter

AAPG  
Presidency University Bangalore Student Chapter




*Sauve*  
REGISTRAR



PRESIDENCY UNIVERSITY  
Registrar  
BANGALORE

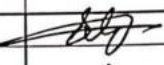
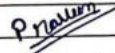
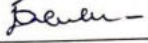
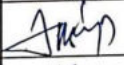

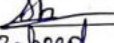
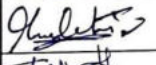


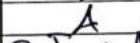


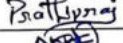


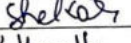
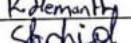
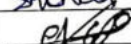
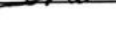




**List of Participants:**

## QUIZ 1

COURSE CODE: PET 2003  
COURSE NAME: FUNDAMENTALS OF OIL AND GAS WELL DRILLING  
TECHNOLOGY  
DATE :20-04-2022

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

### List of Winners:

1 <sup>st</sup>	20201PET0016	SIDHARTH MURALI
2 <sup>nd</sup>	20201PET0018	NUTHAN M S
3 <sup>rd</sup>	20201PET0014	ZAHEED AHMED

REGISTRAR



Certificate  
Template:





**Event Coordinator**

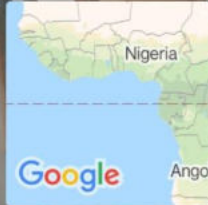
Mr. Utkarsh Lall  
Assistant Professor  
Department of Petroleum Engineering



REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE

<b>Event No.:</b>	JMW01	<b>Date:</b>	10-05-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	11
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Micropaleontology and Exploration of Hydrocarbons		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to formation of petroleum and geophysical methods of exploration.		
<b>Event Documents &amp; Photo(s):</b>	 <p>The poster for the quiz competition features the Presidency University logo at the top, followed by the text 'Department of Petroleum Engineering Invites Applications for Quiz Competition On Micropaleontology and Exploration of Hydrocarbon'. It includes a photo of Ms. Jain Mariyate Wilson, the resource person, and details about registration and the quiz process. The poster also lists student and faculty coordinators and sponsors like SPE and AAPG.</p>		

*Jain*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE



Bengaluru, Karnataka, India

WH58+MRG, 1st Stage, Kumaraswamy Layout, Bengaluru, Karnataka 560078, India

Lat 12.909189°

Long 77.56732°

10/05/22 04:12 PM



### List of Participants

#### ATTENDANCE REPORT – QUIZ

Course Code: PET 2014

Instructor- In-Charge: Ms. Jain mariyate Wilson

Course Name: Geophysical techniques for Oil & Gas Exploration

Date: 10-05-2022, Tuesday (3.55 – 4.25 PM)

SL. No:	ROLL NUMBER	NAME	MARKS	SIGNATURE
1	20201PET0001	SOHAEL K S	6.5	
2	20201PET0014	ZAHEED AHMED	12	
3	20201PET0018	NUTHAN M S	12.5	
4	20201PET0019	PRANAV. A	7.5	
5	20201PET0021	R JANARDHAN REDDY	9	
6	20201PET0022	MOHAMMED SHADIM D K	10.5	
7	20201PET0029	PAVAN GOUD	6	
8	20201PET0030	AQIB AHMED SHARIEEF	← ABSENT →	
9	20201PET0031	BANDLA HAREESH	6	
10	20201PET0033	SHEKAR	11	
11	20201PET9001	MOHAMMED SHAHID	12.5	
12	20201PET9002	NITIN	9	

10/5/22  
Instructor In-charge

REGISTRAR

List of Winners &  
Certificate  
Template:

1 <sup>st</sup>	20201PET0018	NUTHAN MS
1 <sup>st</sup>	20201PET9001	MOHAMMED SHAHID





# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

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**Event Coordinator**

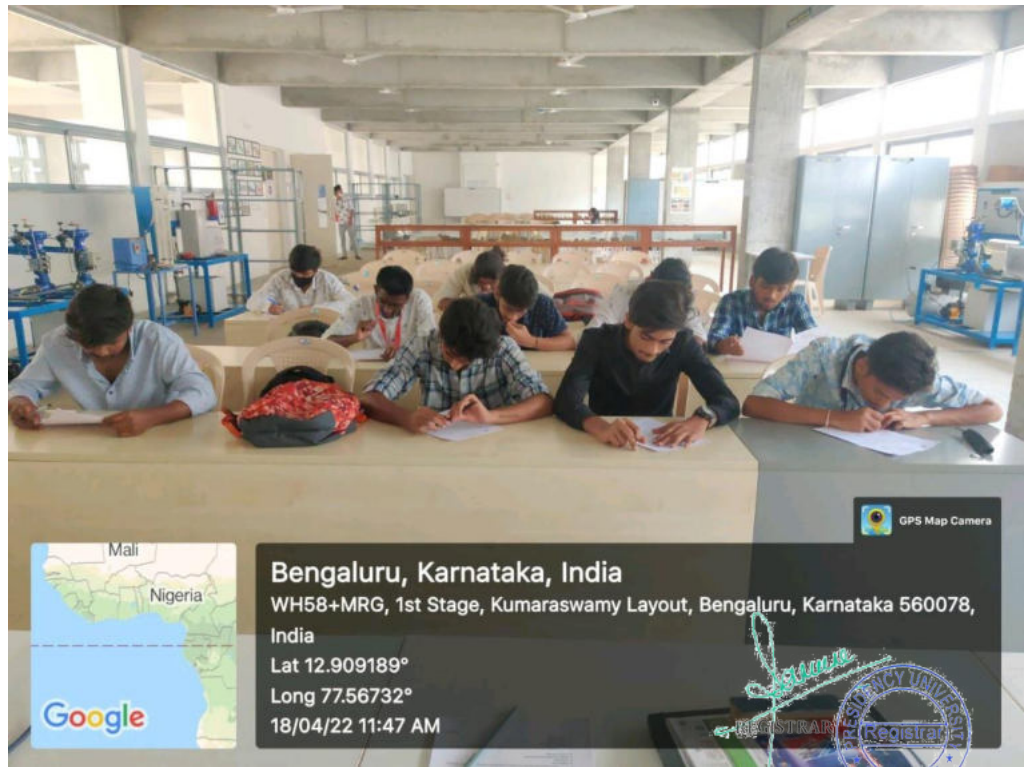
Ms. Jain Mariyate Wilson  
Assistant Professor  
Department of Petroleum Engineering

REGISTRAR

REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE



<b>Event No.:</b>	JMW03	<b>Date:</b>	18-04-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	10
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Project Management in Oil & Gas industry		
<b>Resource Person:</b>	Ms. Jain Mariyate Wilson Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to Project Management in Oil & Gas industry		
<b>Event Photo(s):</b>			



### List of Participants


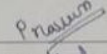
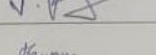

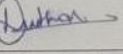
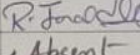

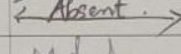



### Attendance and Marks Report (QUIZ-1)

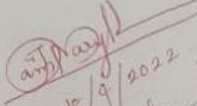
Course Code: PET 2029

Instructor- In-Charge: Ms. Jain Mariyate Wilson

Course Name: Quality Management Practices in Oil & gas industry

Date: 18-04-2022, Thursday (Sec:01)

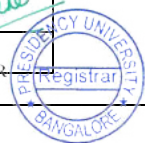
SL. No:	ID NUMBER	NAME	MARKS out of 20	SIGNATURE
1	20201PET0001	SOHAEL K S	8	
2	20201PET0006	PRAVEEN B	9	
3	20201PET0009	KOTISHWARAN V	4	
4	20201PET0011	A M RIZWAN	8	
5	20201PET0012	MOHAMMED SHAZAN	14	
6	20201PET0018	NUTHAN M S	8	
7	20201PET0021	R JANARDHAN REDDY	9	
8	20201PET0029	PAVAN GOUD	ABSENT	
9	20201PET0030	AQIB AHMED SHARIEEF	14	
10	20201PET0033	SHEKAR	ABSENT	
11	20201PET9001	MOHAMMED SHAHID	5	
12	20201PET9002	NITIN	7	

  
18/4/2022  
Instructor-in-charge

### List of Winners

1 <sup>st</sup>	20201PET0030	AQIB AHMED SHARIEEF
1 <sup>st</sup>	20201PET0012	MOHAMMED SHAZAN
2 <sup>nd</sup>	20201PET0031	R JANARDHANAN REDDY
2 <sup>nd</sup>	20201PET0006	PRAVEEN B

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### Certificate of Achievement

This is to Certify that

**MR. AQIB AHMED SHERIEFF**

has secured 1<sup>st</sup> Position in QUIZ Competition on “PROJECT  
MANAGEMENT IN OIL & GAS INDUSTRY”  
organized by the SPE Student Chapter and the Department of Petroleum Engineering,  
Presidency University Bengaluru on 18<sup>th</sup> April 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge



Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC



### Certificate of Achievement

This is to Certify that

**MR. MOHAMMED SHEZAN**

has secured 1<sup>st</sup> Position in Quiz Competition on “PROJECT  
MANAGEMENT IN OIL & GAS INDUSTRY”  
organized by the SPE Student Chapter and the Department of Petroleum Engineering,  
Presidency University Bengaluru on 18<sup>th</sup> April 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge



Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC

  
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### Certificate of Achievement

This is to Certify that

**MR. JANARDHAN REDDY**

has secured 2<sup>nd</sup> Position in Quiz Competition on “PROJECT MANAGEMENT IN OIL & GAS INDUSTRY ” organized by the SPE Student Chapter and the Department of Petroleum Engineering, Presidency University Bengaluru on 18<sup>th</sup> April 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge

Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC



### Certificate of Achievement

This is to Certify that

**MR. PRAVEEN B**

has secured 2<sup>nd</sup> Position in Quiz Competition on “PROJECT MANAGEMENT IN OIL & GAS INDUSTRY ” organized by the SPE Student Chapter and the Department of Petroleum Engineering, Presidency University Bengaluru on 18<sup>th</sup> April 2022.



Ms. Jain Mariyate Wilson  
Assistant Professor  
Event Judge

Dr. Suman Paul  
Head of the Department  
Faculty Advisor, SPE SC

  
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# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

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**Event Coordinator**

Ms. Jain Mariyate Wilson

Assistant Professor

Department of Petroleum Engineering

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BANGALORE



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	002	<b>Date:</b>	06-06-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	Poster Presentation - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	26
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Title:</b>	Poster Presentation on "Application of Heat Transfer in Industry"		
<b>Resource Person:</b>	Mr. Ankur Neog Assistant Professor, Department of Petroleum Engineering		
<b>Event Objective:</b>	This poster presentation was conducted to test the knowledge of students on the concepts on Heat Transfer and its application.		

  
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### Event Documents & Photo(s):



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

**Department of Petroleum Engineering**  
**Invites Applications for Poster Presentation On**  
**Application of Heat Transfer in Industry**

The Poster presentation aims to test the knowledge of the students on the concepts of Heat transfer and their communication skills, with the primary objective of improving the foundation employability skills of the students.

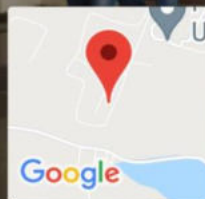
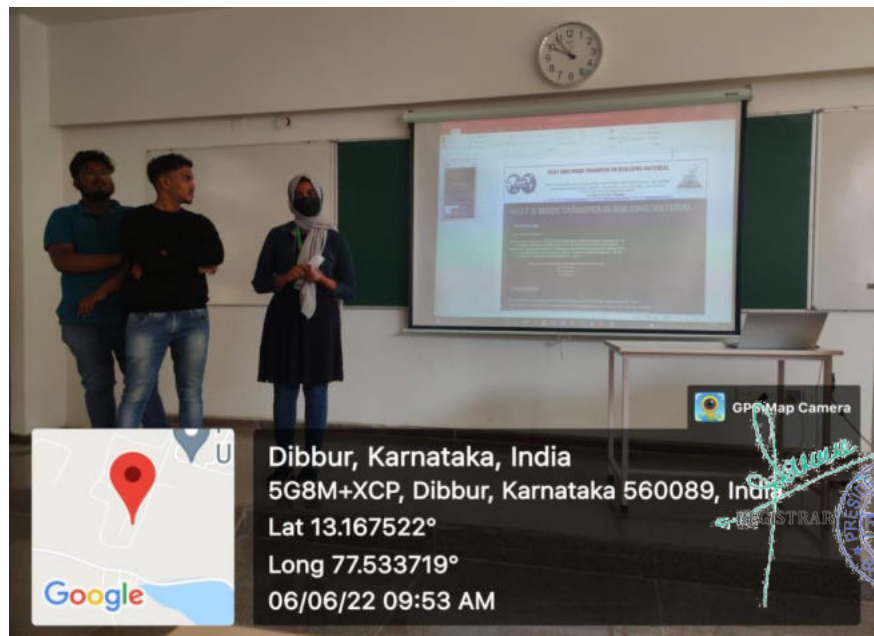
**Who are eligible for Registration?**  
2<sup>nd</sup> Semester Students Presidency University, Bengaluru

**Registration Process:**  
On-spot Registration

**Last Date for Registration: June 6, 2022**  
**First Date of Instruction: June 6, 2022**  
**Last Date of Instruction: June 6, 2022**  
(a-certificate will be issued after successful completion of the Course)

**Faculty Coordinator:**  
Mr. Ankur Neog  
(e-mail: ankurneog@presidencyuniversity.in)

**Our Sponsors:**  
SPE, AAPG, Presidency University Bengaluru, SPE Student Chapter



Dibrugarh, Karnataka, India  
5G8M+XCP, Dibrugarh, Karnataka 560089, India  
Lat 13.167522°  
Long 77.533719°  
06/06/22 09:53 AM







### List of Participants

S.No	Roll No	Student Name
1	20211PET0001	MOHAMED SAADULLAH S
2	20211PET0002	ROSHAN T
3	20211PET0003	SYED LUQMAN J
4	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI
5	20211PET0005	MOHAMMAD SUHAIL
6	20211PET0006	FAHAD ALI KHAN
7	20211PET0008	VANKALA JAI SPHOORTHI
8	20211PET0009	AFEEZ
9	20211PET0010	HITESH T
10	20211PET0011	GANUGA ROSHAN
11	20211PET0012	MOHAMED NAIF NIHAD ALI
12	20211PET0013	DEEPAK JADHAV
13	20211PET0014	DARSHAN D P
14	20211PET0015	MOHAMMAD YASIR BYAKOD
15	20211PET0016	ASMA THASNIM
16	20211PET0017	IBRAHIM NAWAZ M
17	20211PET0018	SANDEEP IYAGAR
18	20211PET0019	KIRAN EKIRAN
19	20211PET0020	YASHWANTH GOWDA M
20	20211PET0021	MAYUR P
21	20211PET0022	YASHWANTH S

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	22	20211PET0023	MOHAMMED SHABAZ KHALANDER D	
	23	20211PET0024	BOLLAMA REDDY HIMAVENKATA MANKANTHA	
	24	20211PET0025	FAZIL SHAREEF H A	
	25	20211PET0026	Patel Mohammed Adnan Mohammed Gous	
	26	20211PET0027	SYED USMAN	
List of Winners & Certificate Template:	1 <sup>st</sup>	20211PET0002	ROSHAN T	
	1 <sup>st</sup>	20211PET0008	VANKALA JAI SPHOORTHY	
	1 <sup>s</sup>	20211PET0025	FAZIL SHAREEF H A	
	2 <sup>nd</sup>	20211PET0013	DEEPAK JADHAV	
	2 <sup>nd</sup>	20211PET0015	MOHAMMAD YASIR BYAKOD	
	2 <sup>nd</sup>	20211PET0018	SANDEEP IYAGAR	
	3 <sup>rd</sup>	20211PET0001	MOHAMED SAADULLAH S	
	3 <sup>rd</sup>	20211PET0004	BELIM MOH SAAD MOHAMMEDBHAI	
	3 <sup>rd</sup>	20211PET0010	HITHESH T	
	3 <sup>rd</sup>	20211PET0012	MOHAMED NAIF NIHAD ALI	

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# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

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**Event Coordinator**

Mr. Ankur Neog

Assistant Professor

Department of Petroleum Engineering

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# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

<b>Event No.:</b>	RSH01	<b>Date:</b>	20-05-2022 (1 Day)
<b>Event Category:</b>	Technical	<b>Event Type:</b>	QUIZ - 1
<b>Mode of Event:</b>	Offline	<b>No. of Participant(s):</b>	62
<b>Event Category:</b>	<b>Participative Learning</b>		
<b>Event Coordinator:</b>	Dr. Rohit Sharma Assistant Professor, Department of Petroleum Engineering, Presidency University		
<b>Event Title:</b>	Quiz Competition on Water Influx Models		
<b>Resource Person:</b>	Dr. Rohit Sharma, Assistant Professor, Department of Petroleum Engineering, Presidency University		
<b>Event Objective:</b>	This quiz was conducted to test the knowledge of students on the topic related to understand advanced models of water influx into petroleum reservoirs.		

  
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Event Documents &  
Photo(s):



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

**40 YEARS**  
OF  
PROGRESS

### Department of Petroleum Engineering

### Quiz on “Water Influx in Petroleum Reservoirs”

### PET 225 Water Influx in Petroleum Reservoirs

The quiz aims to enhance the employability skill of the students.

**Resource Person:**  
**Dr. Rohit Sharma**  
Assistant Professor  
Department of Petroleum Engineering

**Who are eligible for Registration?**  
Sixth Semester Petroleum Engineering students of  
Presidency University, Bengaluru

**Registration Process:**  
On-Spot Registration

**Date: 20.05.2022**

**Mode of conduction: Offline**  
(e-certificate will be issued after successful completion of the Course)

**Student Coordinators:**  
Mr. P. Suhail Ahmed, Secretary, SPE Student Chapter (Mobile: +91-7063954995)  
Ms. Firoza Sheikh, Secretary, AAPG Student Chapter (Mobile: +91-8327535090)

**Faculty Coordinator:**  
Dr. Rohit Sharma  
(e-mail: rohit.sharma@presidencyuniversityin)

**Our Sponsors:**

**SPE International**  
Presidency University Bengaluru  
SPE Student Chapter

**AAPG**  
Presidency University Bengaluru Student Chapter

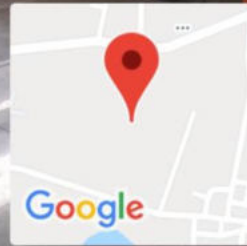
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# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064



**Rajanukunte, Karnataka, India**

Cable Factory Kakolu Road, Rajanakunte, Karnataka 560089,  
India

Lat 13.172556°

Long 77.540267°

20/05/22 04:05 PM

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BANGALORE



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# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064



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20/20



Roll No 20191PFT9002

PRESIDENCY UNIVERSITY  
BENGALURU

SCHOOL OF ENGINEERING

QUIZ

Winter Semester: 2021 - 22

Course Code: PET 225

Course Name: Advanced Reservoir Engineering

Program & Sem: B.Tech. (Petroleum) & VI

Date: 20/05/2022

Time: 2:00 PM- 3:00 PM

Max Marks: 10

Weightage: 5 %

**Instructions:**

- (i) Read all the questions carefully and answer accordingly.
- (ii) Question paper consists of multiple choice questions.
- (iii) Select the most appropriate option.

SET A

PART A [Memory Recall Questions]

[C.O.1 and C.O.2] [Knowledge]

Answer all the Questions. Each question carries 0.5 marks

(20 Q x 0.5 M = 10 Marks)

1. Reservoir systems can be classified on the basis of geometry as (d)
  - a) Edge Water Drive
  - b) Infinite
  - c) Linear Water Drive
  - d) Both a) & c)
2. In order to obtain the information of the aquifer properties for water influx calculations (d)
  - a) drill few wells into the aquifer
  - b) use historical reservoir performance
  - c) material balance equation can be used
  - d) Both b) and c)
3. Water influx in the reservoir is associated with slow and gradual pressure decline in the case of
  - a) Linear water drive
  - b) Active water drive
  - c) Partial water drive
  - d) All of the above
4. Water influx into the reservoir may be attributed to (c)
  - a) Expansion of water in the aquifer
  - b) compressibility of the aquifer rock
  - c) Both of the above
  - d) Waterflooding
5. Flow Regime associated with non-linear changes in pressure with location and time in the reservoir is known as (b)
  - a) Steady State
  - b) Unsteady State
  - c) Pseudo Steady State
  - d) All of the above

Page 1 of 3

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15. Among the fluid properties, c is considered as the most important for waterflooding
- a) Density
  - b) Temperature
  - c) Viscosity
  - d) Velocity
16. Which of them are the primary recovery driving mechanism? (d)
- a) Water Drive
  - b) Gas Cap Drive
  - c) Solution Gas Drive
  - d) All of the above
17. The following model incorporates the water influx due to aquifer compressibility (b)
- a) Schuilthuis Steady State
  - b) Pot Aquifer
  - c) Van Everdingen Hurst Unsteady State Model
  - d) Darcy Model
18. Following is not a type of waterflooding pattern. (c)
- a) Five Spot
  - b) Four spot
  - c) Black spot
  - d) Peripheral
19. Production of hydrocarbons due to natural energy of the reservoir fluids is known as (b)
- a) Secondary Recovery
  - b) Primary Recovery
  - c) Tertiary Recovery
  - d) Ultimate Recovery
20. Injection pressure of fluids through injector well for waterflooding increases with a
- a) Reservoir depth
  - b) Reservoir Temperature
  - c) Reservoir Heterogeneity
  - d) Location of well



# Department of Petroleum Engineering

## Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

### List of Participants:

Sl.No	ID No.	Student Name
1.	20191PET0001	AHILSHA MC
2.	20191PET0002	AKASH S
3.	20191PET0003	AMAN TAHASILDAR
4.	20191PET0004	ASHWIN RAJ R
5.	20191PET0005	ASWIN K S
6.	20191PET0008	BIRAJDAR SAURABH SURYAKANT
7.	20191PET0012	FEROZ AHMED KHUDAVAND
8.	20191PET0013	FIROZA SHEIKH
9.	20191PET0014	GANESH KUMAR POTHAN
10.	20191PET0015	GILAKA PAVAN
11.	20191PET0016	HARI GOVIND V
12.	20191PET0017	HITHESH P V
13.	20191PET0018	JESWIN JAVAD
14.	20191PET0019	KADIRI LALITHA
15.	20191PET0020	KOKEERAN P
16.	20191PET0021	KRITIKA
17.	20191PET0022	KUSHAL K
18.	20191PET0023	M MOHAMED ALFIATH
19.	20191PET0024	MIDHUN M M
20.	20191PET0026	MOHAMED MUNAWAR HUSSAIN M
21.	20191PET0027	MOHAMED SUHAIL
22.	20191PET0028	MOHAMMED ADNAN
23.	20191PET0029	MOHAMMED AFZAL
24.	20191PET0030	MOHAMMED ISHAQ
25.	20191PET0032	MOHAMMED MUZAMMIL PATVEGAR
26.	20191PET0033	MOHAMMED REEHAN AZHAR
27.	20191PET0034	MOHAMMED TAHA NAJEEB BASHA
28.	20191PET0035	MOHAMMED UZMAIR M
29.	20191PET0036	MOHAMMED ZAIN Y C
30.	20191PET0037	MOHD ZUBAIR
31.	20191PET0038	MOHD HANSAF
32.	20191PET0039	NABEED MUNNINA

33.	20191PET0040	NAGAM VENKATA MAHARSHI VASISTA
34.	20191PET0041	P SUHAIL AHMED
35.	20191PET0042	PRASHANTH R
36.	20191PET0043	RISHU SINGH
37.	20191PET0044	RIZVI ABUSAMAMA TAHQIHHUSAIN
38.	20191PET0046	SAI DINESH
39.	20191PET0048	SAMEER MUHAMMED
40.	20191PET0049	SANAMPUDI VENKATA RAMI REDDY
41.	20191PET0051	SHAIK MUSTAK
42.	20191PET0052	SHAIKH ADNAN ZAKIRHUSAIN
43.	20191PET0053	SHRAVAN KUMAR M
44.	20191PET0054	SYED IKHLAS
45.	20191PET0055	TANIYA KG
46.	20191PET0056	TARUN KUMAR A
47.	20191PET0057	TAUSEEF NAZIR
48.	20191PET0058	TAUSIF AHMED
49.	20191PET0059	THOTA GUNA NAGA MURARI
50.	20191PET0060	THUFAIL MAJEED A M
51.	20191PET0061	UPPARAPALLY DIVAKAR REDDY
52.	20191PET0062	VEMULA PRASHANTH
53.	20191PET0063	YADAVALI VENKAT
54.	20191PET0067	SHAIK MUJEEB UR REHAMAN
55.	20191PET0068	RIZWAN
56.	20191PET9002	PILLI KALYAN KUMAR
57.	20191PET9004	ANSTIN SUNNY
58.	20191PET9006	SHABEER AHMED
59.	20191PET9007	JAFFAR SADIQ M R
60.	20201LPE0001	MALIPEDDU SAI PRANAV .
61.	20201LPE0002	SYED SADIQ PASHA K
62.	20201LPE0003	SHIVAKUMAR PATIL

<b>List of Winners:</b>			
S.No	Student ID	Name	Position
1	20191PET0046	SAI DINESH M	1 <sup>st</sup>
2	20191PET0019	KADIRI LALITHA	2 <sup>nd</sup>
3	20191PET0013	FIROZA SHEIKH	3 <sup>rd</sup>

<p><b>Certificate Template:</b></p>	

  
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*Suman Paul*  
REGISTRAR  
Registrar  
PRESIDENCY UNIVERSITY  
BANGALORE



# Department of Petroleum Engineering Presidency University, Bengaluru

Itgalpur, Rajanakunte, Yelahanka, Bengaluru – 560064

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*Rohitsh*

## **Event Coordinator**

Dr. Rohit Sharma,  
Assistant Professor,  
Department of Petroleum Engineering, Presidency University

*Sharma*  
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