

Date: 20-10-2020.

From

Dr. R. Giri Prasad,

Head of the Department,

Department of Petroleum Technology,

Aditya Engineering College (A).

To

The Principal,

Aditya Engineering College

(A).Respected Sir,

Sub: Request for permission to organize a Value Added Course...reg.

For improving the technical proficiency for students of B. Tech V& VII Semester, the Department of Petroleum Technology is planning to organize a Value Added Course entitled "Drilling Simulation Using MATLAB", from 02-11-2020 to 07-11-2020. Due to the Covid'19, pandemic situations the course will be organized in **online mode**.

Hence, I request you to grant permission to organize the program.

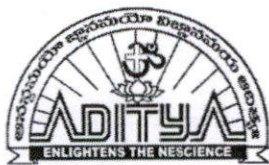
Thanking you,

Yours truly,

*Permitted  
S.V.*

  
Head of the Department,

Department of PT.



# ADITYA ENGINEERING COLLEGE

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## Department of Petroleum Technology

Date: 23-10-2020

### CIRCULAR

All the V and VII semesters Petroleum Technology students are hereby informed that a value added course named "DRILLING SIMULATION USING MATLAB" is going to commence from 02-11-2020 to 07-11-2020. The interested students can register and complete the course. For further details, contact Mr. M.V.V.S. Anuprakash, Assistant Professor, Department of Petroleum Technology.

  
Head of the Department

**DR. R. Giri Prasad**

Head of the Department  
Department of Petroleum Technology  
**Aditya Engineering College**  
SURAMPALAM-533 437

## COURSE CONTENT

The following topics will be covered

Topic	Hours
Kick tolerance for a normal well	5
Calculation of approximate weight of the tool joint and drill pipe assembly.	5
Calculation of d-exponent for a well data.	5
Calculation of pore pressure at a given depth	5
Calculation of fracture gradient at particular depth.	5
Determination of various pressure drops and the nozzle velocity in the circulating system.	5
<b>Total hours</b>	<b>30</b>

## COURSE OUTCOMES

At the end of the course student will be able to

- Understand the importance and basic understanding of well behavior
- Analyze factors influencing the drilling.
- Know about Measurements from surface and downhole sensors will be partially replaced by artificial measurements from virtual wells

## RESOURCE PERSON

**Mr. M.V.V.S.Anuprakash**

Assistant Professor

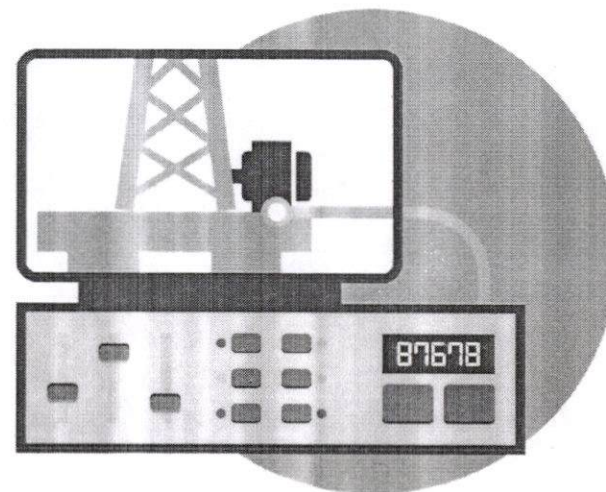
Department of Petroleum Technology, AEC

Email: Prakashanu@gmail.com

Value Added Course  
on

## Drilling simulation using Mat lab

02-11-2020 to 07-11-2020



Organized by  
Department of Petroleum Technology



**ADITYA ENGINEERING COLLEGE (A)**

## CO-ORDINATOR

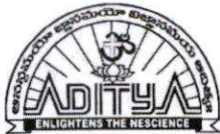
**Mr. Y.R.C.S. Narayana**

Assistant Professor

Email: yrcsnarayana@yahoo.com

*Head of the Department*  
Department of Petroleum Technology  
Aditya Engineering College  
SURAMPAL, EM-533 437





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## Department of Petroleum Technology

### Value Added Course Report

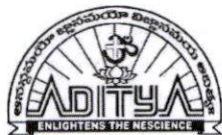
Event name	Hands on Training on Drilling simulation using Mat lab			
Introduction to Event	This event was introduced to impart knowledge on import, edit and interpret drilled wells by using Mat lab.			
Event date	02-11-2020 to 07-11-2020			
Number of days	06			
Coordinator(s)	Mr. Y.R.C.S.Narayana			
Agenda/Event Flow		Topic	Hours	
		Kick tolerance for a normal well	5	
		Calculation of approximate weight of the tool joint and drill pipe assembly.	5	
		Calculation of d-exponent for a well data.	5	
		Calculation of pore pressure at a given depth	5	
		Calculation of fracture gradient at particular depth.	5	
		Determination of various pressure drops and the nozzle velocity in the circulating system.	5	
		Total hours	30	
Number of students Participated and list	78 and the participant list is Enclosed			
Target participants	B. Tech V and VII Semesters			
Participants Attendance Sheet(enclosure)	Enclosed			
Resource person(s)	M.V.V.S.Anuprakash Assistant Professor Contact No. 833309503 Email: <a href="mailto:Prakashanu@gmail.com">Prakashanu@gmail.com</a>			
Profile of resource person(s) in brief	Enclosed			
Location and venue	Online			
Outcomes	At the end of the course student will be able to <ul style="list-style-type: none"><li>• Understand the importance and basic understanding of well behavior</li><li>• Analyze factors influencing the drilling.</li><li>• Know about Measurements from surface and downhole sensors will be partially replaced by artificial measurements from virtual wells.</li></ul>			

Coordinator

Head of the Department

Head of the Department  
Department of Petroleum Technology  
**Aditya Engineering College**  
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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

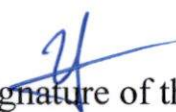
Scheduled Tenure: 02-11-2020 to 07-11-2020

S.NO	Roll No	Name	Semester
1.	19A91A2701	AASISH KUMAR DONTHEMSETTY	V
2.	19A91A2702	ADIVI KARTHIKEYA PAVAN KUMAR	V
3.	19A91A2703	AFINAND R	V
4.	19A91A2704	AGANTI RAGHURAM	V
5.	19A91A2705	AJITH VARGHESE	V
6.	19A91A2707	ARUN BABU	V
7.	19A91A2708	ASHIK SURESH	V
8.	19A91A2709	ASHWIN KRISHNA	V
9.	19A91A2711	BAGATH P G	V
10.	19A91A2712	DANTULURI VENKATA RAMA KRISHNAMRAJU	V
11.	19A91A2713	YANDAPALLI GANESH CHOWDARY	V
12.	19A91A2714	GHATTY PAVAN SIDDHARTH	V
13.	19A91A2715	GOKUL KRISHNAN	V
14.	19A91A2716	INJETI SAHIDYA	V
15.	19A91A2717	JAGATH J	V
16.	19A91A2718	JEMMY ZIGEN KATURI	V
17.	19A91A2719	KALISIPUDI SAI DEEPIKA	V
18.	19A91A2720	KAMANURU NAGA HEMANTH	V
19.	19A91A2721	KEEMAN K	V
20.	19A91A2722	KONDREDDY SAI DHEERAJ KUMAR REDDY	V
21.	19A91A2723	KUKKALA VINAY	V
22.	19A91A2724	MADDIMSETTI KARISHMA BHAVANI	V
23.	19A91A2725	MALLAMPALLI JAYANTH PHANI KUMAR	V
24.	19A91A2726	MANNAM TARUN KUMAR	V
25.	19A91A2727	MATTA LEELA SAI KUMAR	V

26.	19A91A2728	MD FASAHAT MUSHTAQUE	V
27.	19A91A2729	MUDRAGADDA VENKATA AVINASH	V
28.	19A91A2730	NANDYALA MAHESH VARDHAN REDDY	V
29.	19A91A2731	NAVNEET KUMAR	V
30.	19A91A2732	P T TEGIN	V
31.	19A91A2733	PATCHALA SUMANTH	V
32.	19A91A2734	PECHETTI TARUN KUMAR	V
33.	19A91A2735	RAJANA TEJA	V
34.	19A91A2736	SWAMIREDDY SRINIVAS	V
35.	19A91A2737	THILOTHAMAN S	V
36.	19A91A2738	THOTA MAHESH	V
37.	19A91A2739	VANARASI SRI PURNA VAMSI KRISHNA	V
38.	20A95A2701	GUBBALA MADHU BHASKAR	V
39.	20A95A2702	DASARI SATISH	V
40.	20A95A2703	CHUPPANA DURGA SESHU	V
41.	20A95A2704	GEDELA LOKESH	V
42.	20A95A2705	THOGARU SURENDRA NAIDU	V
43.	20A95A2706	SAMUDRALA VENKATA SIVA	V
44.	20A95A2707	GASHYA SAI	V
45.	20A95A2708	KUMPATLA SATYA KALYAN	V
46.	20A95A2709	POTHUKUCHI VIHAR	V
47.	20A95A2710	AMITI SAI CHARAN	V
48.	20A95A2711	PULLA VENKATA SATYANARAYANA	V
49.	20A95A2712	YALLA GANGA VENKATA RAMANA	V
50.	20A95A2714	KORELAPARA VAISHNAVI	V
51.	20A95A2715	BONTHU MADHU PAVAN	V
52.	20A95A2716	SYED MOHAMMED	V
53.	20A95A2717	GONTHIREDDI RAJESH	V
54.	20A95A2718	CHIKKALA S S V V SRIKANTH	V
55.	20A95A2719	BONDILI JANAKI RAM SINGH	V
56.	18A91A2701	ADAPA SURESH	VII
57.	18A91A2702	ADVIN JOLLY	VII
58.	18A91A2703	AKHIL ARUN	VII



59.	18A91A2704	ALAN BINU AUGUSTINE	VII
60.	18A91A2705	ANANTHAKRISHNAN V	VII
61.	18A91A2706	ANZARI B	VII
62.	18A91A2707	ARSHAD KHAN	VII
63.	18A91A2708	BANDARU REVANTH	VII
64.	18A91A2709	BONTHADA PAVAN PANDU	VII
65.	18A91A2710	CHADIPIRALLA SUMANTH KUMAR	VII
66.	18A91A2711	CHELIKACHERLA HAVEESH KUMAR	VII
67.	18A91A2712	DANNANA GOWTHAM NAIDU	VII
68.	18A91A2714	GADIGATLA BHAGAVAN SAI HARISH CHOWDARY	VII
69.	18A91A2715	GANTA SAI KUMAR	VII
70.	18A91A2716	GIDUTHURI V V V SAI SURYA SAMEER	VII
71.	18A91A2717	JAGARLAMUDI RAMANA KUMAR	VII
72.	18A91A2718	JANIPALLI HOLY BLESSING	VII
73.	18A91A2720	KAKANI HYNDAV YOGI	VII
74.	18A91A2721	KASINA KRISHNA NAVANEETH	VII
75.	18A91A2722	KATIKADALA HARSHA CHAITANYA	VII
76.	18A91A2723	KOSURU SRIKANTH	VII
77.	18A91A2724	CHOUDHARY KULDIP KUMAR	VII
78.	18A91A2725	KUNAPAREDDY JASWANTH RAHUL	VII

  
Signature of the coordinator

  
Signature of HOD

Head of the Department  
Department of Petroleum Technology  
**Aditya Engineering College**  
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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab		
Attendance, Duration: 02-11-2020 to 07-11-2020		
Day-1		
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18A91A2724	Joined	02/11/2020 , 10:00:22 AM
18A91A2725	Joined	02/11/2020 , 10:25:27 AM

  
Course Coordinator

  
Head of the Department

Head of the Department  
Department of Petroleum Technology  
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Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-2

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M.V.V.S.Anuprakash	Joined	03/11/2020 , 09:57:31 AM
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Coordinator





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Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-2

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18A91A2702	Joined	03/11/2020 , 10:00:22 AM
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18A91A2704	Joined	03/11/2020 , 10:02:24 AM
18A91A2705	Joined	03/11/2020 , 09:57:31 AM
18A91A2706	Joined	03/11/2020 , 10:00:09 AM
18A91A2707	Joined	03/11/2020 , 10:00:22 AM
18A91A2708	Joined	03/11/2020 , 10:25:27 AM
18A91A2709	Joined	03/11/2020 , 10:02:24 AM
18A91A2710	Joined	03/11/2020 , 09:57:31 AM
18A91A2711	Joined	03/11/2020 , 10:00:09 AM
18A91A2712	Joined	03/11/2020 , 10:00:22 AM
18A91A2714	Joined	03/11/2020 , 10:25:27 AM
18A91A2715	Joined	03/11/2020 , 10:02:24 AM
18A91A2716	Joined	03/11/2020 , 09:57:31 AM
18A91A2717	Joined	03/11/2020 , 10:00:09 AM
18A91A2718	Joined	03/11/2020 , 10:00:22 AM

*Coordinator*





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab		
Attendance, Duration: 02-11-2020 to 07-11-2020		
Day-2		
18A91A2720	Joined	03/11/2020 , 10:25:27 AM
18A91A2721	Joined	03/11/2020 , 10:02:24 AM
18A91A2722	Joined	03/11/2020 , 09:57:31 AM
18A91A2723	Joined	03/11/2020 , 10:00:09 AM
18A91A2724	Joined	03/11/2020 , 10:00:22 AM
18A91A2725	Joined	03/11/2020 , 10:25:27 AM

  
Course Coordinator

  
Head of the Department  
Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College  
SURAMPAL EM-533 437





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-3

Full Name	User Action	Timestamp
M.V.V.S.Anuprakash	Joined	04/11/2020 , 10:00:31 AM
19A91A2701	Joined	04/11/2020 , 10:03:45 AM
19A91A2702	Joined	04/11/2020 , 10:12:22 AM
19A91A2703	Joined	04/11/2020 , 10:10:27 AM
19A91A2704	Joined	04/11/2020 , 10:02:24 AM
19A91A2705	Joined	04/11/2020 , 10:00:31 AM
19A91A2707	Joined	04/11/2020 , 10:03:45 AM
19A91A2708	Joined	04/11/2020 , 10:12:22 AM
19A91A2709	Joined	04/11/2020 , 10:10:27 AM
19A91A2711	Joined	04/11/2020 , 10:02:24 AM
19A91A2712	Joined	04/11/2020 , 10:00:31 AM
19A91A2713	Joined	04/11/2020 , 10:03:45 AM
19A91A2714	Joined	04/11/2020 , 10:12:22 AM
19A91A2715	Joined	04/11/2020 , 10:10:27 AM
19A91A2716	Joined	04/11/2020 , 10:02:24 AM
19A91A2717	Joined	04/11/2020 , 10:00:31 AM
19A91A2718	Joined	04/11/2020 , 10:03:45 AM
19A91A2719	Joined	04/11/2020 , 10:12:22 AM
19A91A2720	Joined	04/11/2020 , 10:10:27 AM
19A91A2721	Joined	04/11/2020 , 10:02:24 AM
19A91A2722	Joined	04/11/2020 , 10:00:31 AM
19A91A2723	Joined	04/11/2020 , 10:03:45 AM
19A91A2724	Joined	04/11/2020 , 10:12:22 AM
19A91A2725	Joined	04/11/2020 , 10:10:27 AM
19A91A2726	Joined	04/11/2020 , 10:02:24 AM
19A91A2727	Joined	04/11/2020 , 10:00:31 AM
19A91A2728	Joined	04/11/2020 , 10:03:45 AM
19A91A2729	Joined	04/11/2020 , 10:12:22 AM
19A91A2730	Joined	04/11/2020 , 10:10:27 AM
19A91A2731	Joined	04/11/2020 , 10:02:24 AM
19A91A2732	Joined	04/11/2020 , 10:00:31 AM
19A91A2733	Joined	04/11/2020 , 10:03:45 AM
19A91A2734	Joined	04/11/2020 , 10:12:22 AM
19A91A2735	Joined	04/11/2020 , 10:10:27 AM
19A91A2736	Joined	04/11/2020 , 10:02:24 AM
19A91A2737	Joined	04/11/2020 , 10:00:31 AM

2  
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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-3

19A91A2738	Joined	04/11/2020 , 10:03:45 AM
19A91A2739	Joined	04/11/2020 , 10:12:22 AM
20A95A2701	Joined	04/11/2020 , 10:10:27 AM
20A95A2702	Joined	04/11/2020 , 10:02:24 AM
20A95A2703	Joined	04/11/2020 , 10:00:31 AM
20A95A2704	Joined	04/11/2020 , 10:03:45 AM
20A95A2705	Joined	04/11/2020 , 10:12:22 AM
20A95A2706	Joined	04/11/2020 , 10:10:27 AM
20A95A2707	Joined	04/11/2020 , 10:02:24 AM
20A95A2708	Joined	04/11/2020 , 10:00:31 AM
20A95A2709	Joined	04/11/2020 , 10:03:45 AM
20A95A2710	Joined	04/11/2020 , 10:12:22 AM
20A95A2711	Joined	04/11/2020 , 10:10:27 AM
20A95A2712	Joined	04/11/2020 , 10:02:24 AM
20A95A2714	Joined	04/11/2020 , 10:00:31 AM
20A95A2715	Joined	04/11/2020 , 10:03:45 AM
20A95A2716	Joined	04/11/2020 , 10:12:22 AM
20A95A2717	Joined	04/11/2020 , 10:10:27 AM
20A95A2718	Joined	04/11/2020 , 10:02:24 AM
20A95A2719	Joined	04/11/2020 , 10:00:31 AM
18A91A2701	Joined	04/11/2020 , 10:03:45 AM
18A91A2702	Joined	04/11/2020 , 10:12:22 AM
18A91A2703	Joined	04/11/2020 , 10:10:27 AM
18A91A2704	Joined	04/11/2020 , 10:02:24 AM
18A91A2705	Joined	04/11/2020 , 10:00:31 AM
18A91A2706	Joined	04/11/2020 , 10:03:45 AM
18A91A2707	Joined	04/11/2020 , 10:12:22 AM
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18A91A2712	Joined	04/11/2020 , 10:12:22 AM
18A91A2714	Joined	04/11/2020 , 10:10:27 AM
18A91A2715	Joined	04/11/2020 , 10:02:24 AM
18A91A2716	Joined	04/11/2020 , 10:00:31 AM
18A91A2717	Joined	04/11/2020 , 10:03:45 AM
18A91A2718	Joined	04/11/2020 , 10:12:22 AM

4  
Coordinator



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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab		
Attendance, Duration: 02-11-2020 to 07-11-2020		
Day-3		
18A91A2720	Joined	04/11/2020 , 10:10:27 AM
18A91A2721	Joined	04/11/2020 , 10:02:24 AM
18A91A2722	Joined	04/11/2020 , 10:00:31 AM
18A91A2723	Joined	04/11/2020 , 10:03:45 AM
18A91A2724	Joined	04/11/2020 , 10:12:22 AM
18A91A2725	Joined	04/11/2020 , 10:10:27 AM

  
Course Coordinator

  
Head of the Department

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College  
SURAMPALAM-533 437





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-4

Full Name	User Action	Timestamp
M.V.V.S.Anuprakash	Joined	05/11/2020 , 09:50:31 AM
19A91A2701	Joined	05/11/2020 , 10:05:09 AM
19A91A2702	Joined	05/11/2020 , 10:06:22 AM
19A91A2703	Joined	05/11/2020 , 10:25:27 AM
19A91A2704	Joined	05/11/2020 , 10:02:24 AM
19A91A2705	Joined	05/11/2020 , 09:50:31 AM
19A91A2707	Joined	05/11/2020 , 10:05:09 AM
19A91A2708	Joined	05/11/2020 , 10:06:22 AM
19A91A2709	Joined	05/11/2020 , 10:25:27 AM
19A91A2711	Joined	05/11/2020 , 10:02:24 AM
19A91A2712	Joined	05/11/2020 , 09:50:31 AM
19A91A2713	Joined	05/11/2020 , 10:05:09 AM
19A91A2714	Joined	05/11/2020 , 10:06:22 AM
19A91A2715	Joined	05/11/2020 , 10:25:27 AM
19A91A2716	Joined	05/11/2020 , 10:02:24 AM
19A91A2717	Joined	05/11/2020 , 09:50:31 AM
19A91A2718	Joined	05/11/2020 , 10:05:09 AM
19A91A2719	Joined	05/11/2020 , 10:06:22 AM
19A91A2720	Joined	05/11/2020 , 10:25:27 AM
19A91A2721	Joined	05/11/2020 , 10:02:24 AM
19A91A2722	Joined	05/11/2020 , 09:50:31 AM
19A91A2723	Joined	05/11/2020 , 10:05:09 AM
19A91A2724	Joined	05/11/2020 , 10:06:22 AM
19A91A2725	Joined	05/11/2020 , 10:25:27 AM
19A91A2726	Joined	05/11/2020 , 10:02:24 AM
19A91A2727	Joined	05/11/2020 , 09:50:31 AM
19A91A2728	Joined	05/11/2020 , 10:05:09 AM
19A91A2729	Joined	05/11/2020 , 10:06:22 AM
19A91A2730	Joined	05/11/2020 , 10:25:27 AM
19A91A2731	Joined	05/11/2020 , 10:02:24 AM
19A91A2732	Joined	05/11/2020 , 09:50:31 AM
19A91A2733	Joined	05/11/2020 , 10:05:09 AM
19A91A2734	Joined	05/11/2020 , 10:06:22 AM
19A91A2735	Joined	05/11/2020 , 10:25:27 AM
19A91A2736	Joined	05/11/2020 , 10:02:24 AM

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## Department of Petroleum Technology

**Course: Hands on Training on Drilling simulation using Mat lab**

**Attendance, Duration: 02-11-2020 to 07-11-2020**

### Day-4

19A91A2737	Joined	05/11/2020 , 09:50:31 AM
19A91A2738	Joined	05/11/2020 , 10:05:09 AM
19A91A2739	Joined	05/11/2020 , 10:06:22 AM
20A95A2701	Joined	05/11/2020 , 10:25:27 AM
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20A95A2703	Joined	05/11/2020 , 09:50:31 AM
20A95A2704	Joined	05/11/2020 , 10:05:09 AM
20A95A2705	Joined	05/11/2020 , 10:06:22 AM
20A95A2706	Joined	05/11/2020 , 10:25:27 AM
20A95A2707	Joined	05/11/2020 , 10:02:24 AM
20A95A2708	Joined	05/11/2020 , 09:50:31 AM
20A95A2709	Joined	05/11/2020 , 10:05:09 AM
20A95A2710	Joined	05/11/2020 , 10:06:22 AM
20A95A2711	Joined	05/11/2020 , 10:25:27 AM
20A95A2712	Joined	05/11/2020 , 10:02:24 AM
20A95A2714	Joined	05/11/2020 , 09:50:31 AM
20A95A2715	Joined	05/11/2020 , 10:05:09 AM
20A95A2716	Joined	05/11/2020 , 10:06:22 AM
20A95A2717	Joined	05/11/2020 , 10:25:27 AM
20A95A2718	Joined	05/11/2020 , 10:02:24 AM
20A95A2719	Joined	05/11/2020 , 09:50:31 AM
18A91A2701	Joined	05/11/2020 , 10:05:09 AM
18A91A2702	Joined	05/11/2020 , 10:06:22 AM
18A91A2703	Joined	05/11/2020 , 10:25:27 AM
18A91A2704	Joined	05/11/2020 , 10:02:24 AM
18A91A2705	Joined	05/11/2020 , 09:50:31 AM
18A91A2706	Joined	05/11/2020 , 10:05:09 AM
18A91A2707	Joined	05/11/2020 , 10:06:22 AM
18A91A2708	Joined	05/11/2020 , 10:25:27 AM
18A91A2709	Joined	05/11/2020 , 10:02:24 AM
18A91A2710	Joined	05/11/2020 , 09:50:31 AM
18A91A2711	Joined	05/11/2020 , 10:05:09 AM
18A91A2712	Joined	05/11/2020 , 10:06:22 AM
18A91A2714	Joined	05/11/2020 , 10:25:27 AM
18A91A2715	Joined	05/11/2020 , 10:02:24 AM
18A91A2716	Joined	05/11/2020 , 09:50:31 AM

*Handwritten signature*  
Coordinator





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-4

18A91A2717	Joined	05/11/2020 , 10:05:09 AM
18A91A2718	Joined	05/11/2020 , 10:06:22 AM
18A91A2720	Joined	05/11/2020 , 10:25:27 AM
18A91A2721	Joined	05/11/2020 , 10:02:24 AM
18A91A2722	Joined	05/11/2020 , 09:50:31 AM
18A91A2723	Joined	05/11/2020 , 10:05:09 AM
18A91A2724	Joined	05/11/2020 , 10:06:22 AM
18A91A2725	Joined	05/11/2020 , 10:25:27 AM

  
Course Coordinator

  
Head of the Department

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College  
SURAMPALEM-533 437



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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-5

Full Name	User Action	Timestamp
M.V.V.S.Anuprakash	Joined	06/11/2020 , 09:50:31 AM
19A91A2701	Joined	06/11/2020 , 10:05:09 AM
19A91A2702	Joined	06/11/2020 , 10:06:22 AM
19A91A2703	Joined	06/11/2020 , 10:25:27 AM
19A91A2704	Joined	06/11/2020 , 10:02:24 AM
19A91A2705	Joined	06/11/2020 , 09:50:31 AM
19A91A2707	Joined	06/11/2020 , 10:05:09 AM
19A91A2708	Joined	06/11/2020 , 10:06:22 AM
19A91A2709	Joined	06/11/2020 , 10:25:27 AM
19A91A2711	Joined	06/11/2020 , 10:02:24 AM
19A91A2712	Joined	06/11/2020 , 09:50:31 AM
19A91A2713	Joined	06/11/2020 , 10:05:09 AM
19A91A2714	Joined	06/11/2020 , 10:06:22 AM
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19A91A2716	Joined	06/11/2020 , 10:02:24 AM
19A91A2717	Joined	06/11/2020 , 09:50:31 AM
19A91A2718	Joined	06/11/2020 , 10:05:09 AM
19A91A2719	Joined	06/11/2020 , 10:06:22 AM
19A91A2720	Joined	06/11/2020 , 10:25:27 AM
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19A91A2722	Joined	06/11/2020 , 09:50:31 AM
19A91A2723	Joined	06/11/2020 , 10:05:09 AM
19A91A2724	Joined	06/11/2020 , 10:06:22 AM
19A91A2725	Joined	06/11/2020 , 10:25:27 AM
19A91A2726	Joined	06/11/2020 , 10:02:24 AM
19A91A2727	Joined	06/11/2020 , 09:50:31 AM
19A91A2728	Joined	06/11/2020 , 10:05:09 AM
19A91A2729	Joined	06/11/2020 , 10:06:22 AM
19A91A2730	Joined	06/11/2020 , 10:25:27 AM
19A91A2731	Joined	06/11/2020 , 10:02:24 AM
19A91A2732	Joined	06/11/2020 , 09:50:31 AM
19A91A2733	Joined	06/11/2020 , 10:05:09 AM
19A91A2734	Joined	06/11/2020 , 10:06:22 AM
19A91A2735	Joined	06/11/2020 , 10:25:27 AM
19A91A2736	Joined	06/11/2020 , 10:02:24 AM

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Coordinator





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-5

19A91A2737	Joined	06/11/2020 , 09:50:31 AM
19A91A2738	Joined	06/11/2020 , 10:05:09 AM
19A91A2739	Joined	06/11/2020 , 10:06:22 AM
20A95A2701	Joined	06/11/2020 , 10:25:27 AM
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20A95A2718	Joined	06/11/2020 , 10:02:24 AM
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18A91A2714	Joined	06/11/2020 , 10:25:27 AM
18A91A2715	Joined	06/11/2020 , 10:02:24 AM
18A91A2716	Joined	06/11/2020 , 09:50:31 AM

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Coordinator





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## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab		
Attendance, Duration: 02-11-2020 to 07-11-2020		
Day-5		
18A91A2717	Joined	06/11/2020 , 10:05:09 AM
18A91A2718	Joined	06/11/2020 , 10:06:22 AM
18A91A2720	Joined	06/11/2020 , 10:25:27 AM
18A91A2721	Joined	06/11/2020 , 10:02:24 AM
18A91A2722	Joined	06/11/2020 , 09:50:31 AM
18A91A2723	Joined	06/11/2020 , 10:05:09 AM
18A91A2724	Joined	06/11/2020 , 10:06:22 AM
18A91A2725	Joined	06/11/2020 , 10:25:27 AM

  
Course Coordinator

  
Head of the Department

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College  
SURAMPALEM-533 437





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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## Department of Petroleum Technology

Course: Hands on Training on Drilling simulation using Mat lab

Attendance, Duration: 02-11-2020 to 07-11-2020

### Day-6

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Coordinator





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## Department of Petroleum Technology

**Course: Hands on Training on Drilling simulation using Mat lab**

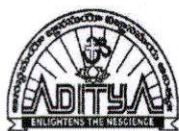
**Attendance, Duration: 02-11-2020 to 07-11-2020**

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Coordinator





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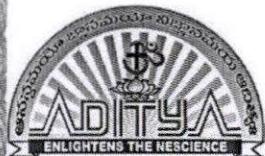
## Department of Petroleum Technology

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18A91A2725	Joined	07/11/2020 , 10:25:27 AM

  
Course Coordinator

  
Head of the Department

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College  
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*Department of Petroleum Technology*

## **CERTIFICATE OF PARTICIPATION**

This is to certify that Mr./Ms. AFINAND R bearing roll no 19A71A2403 of V  
Semester has completed the Value Added Course “Hands on Training on  
Drilling Simulation using MAT lab” during the period 02-11-2020 to  
07-11-2020

  
Course Instructor

  
Head of the Department



## Resource person profile



**M.V.V.S.ANUPRAKASH**

Tel: (+91)-8333099503

E-mail: prakashanu2004@gmail.com

Tel: (+91)-8333099503

E-mail: prakashanu2004@gmail.com

### OBJECTIVE

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Experienced MSc Oil & Gas Engineering graduate with an undergraduate degree in Applied Petroleum Engineering, hands-on experience in Petroleum Engineering operations while utilizing skills of leadership, character, proactive and perseverance to promote an incident free work place.

### EDUCATION

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**Masters of Science in Oil & Gas Engineering** Sep'10 –Oct'12

Robert Gordon University (RGU), Aberdeen

**Thesis:** Effect of Additives on Steam flooding in Carbonates

**Bachelor of Technology in Applied Petroleum Engineering** Sep'05 – Jun'09

University of Petroleum & Energy Studies (UPES), Dehradun


**Thesis:** Design Considerations of Offshore Structures

### WORK EXPERIENCE

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**Reservoir Engineer-** Global Reservoir Technologies, Visakhapatnam Mar'14- till date

- Responsible for Global Shale DB Product line and associated petroleum engineering maintenance
- Research and data mining of global shale plays and generate trends
- Development Shale DB product line as appropriate
- Generate and validate web/spreadsheet based Rate Transient Analysis tool
- Work with website builders to keep the global website up to date technical front
- Client interaction and travel client offices as appropriate.
- Establish and maintain solid working relationship with company consultants and clients around the world;
- Run single well economics of shale wells
- Submit brief work summary at the end of each week and time sheet every other week.
- Represent GRT at technical conferences as appropriate.

  
Head of the Department  
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**Reservoir Engineer - Student Intern, Institute of Reservoir Studies, Ahmedabad** Jun '09 - May '10

- Worked with various the Research and Development Department in ONGC to Undergo Laboratory Feasibility studies of Mature Fields, Western Indian Fields. Applying the core analysis to Obtained Reservoir core samples
- Applying the electrical properties to core for Petro physical analysis,
- Hands on Experience of the Water Alternating Gas Experiments and In-situ combustion experiments
- Develop reservoir models and create scenarios features using IMEX, STARS and WINPROP to run simulation.

**Summer Intern, Reliance Industries Ltd (E&P), Kakinada** Jun '08 - Jul '08

- Overview of petroleum operations

### **PIONEERING & LEADERSHIP SKILLS**

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**Secretary, The Rotract Club of Aberdeen**  
'12

Nov'11- Jun

- Liaise with students between 18-30 ages and interacting with them and organizing lectures from Rotary Club.
- Create opportunities for students to network and interact with recent graduates working in the industry

**General Secretary, Energy Institute, Robert Gordon University**  
Sept'12

Sept '10 -

- Interact with 118 fellow students and identify the topics and organizing the events at the University
- Participate in monthly meetings of Energy Institute and Society of Petroleum Engineers, liaise with Industry lectures and inviting them to University for lectures provide networking opportunities to students.

### **PROJECTS**

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**Effect of Additives on Steam flooding in Carbonates (PHEEQC)** Sep'11 - Sep'12

- Observing by addition of different ground water minerals and observing the effect of dissolution with respect to calcite with temperature and pH.

**Laboratory Investigation of electrical parameters by using ultra centrifuge**

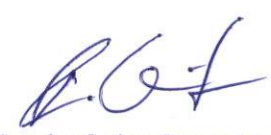
**Method (Special Core Analysis)** Jun'09 - Jul'09

- Conducted Experiments using different cores and measuring Electrical parameters And effect of salinity on the Archie's exponent comparison.
- Performed analysis of results resistivity index and Archie's exponent.

**Laboratory Investigation of High Pressure Air Injection in Light and heavy Oil Recovery**

**Using Combustion Tube Experiments.** Jul'09 - Nov'09

- Conducted and assisted in Differential Scanning Calorimetry of Crude for ignition temperature
- Monitoring and analysis of In-situ Combustion tube of thermal front
- Post combustion analysis of the core and recovery of oil.

  
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#### **Laboratory Investigation of WAG-Immiscible Injection using Light oil. Nov'09 - May'10**

- Conducted and Assisted in Laboratory experiments
- Monitoring and analysis of WAG injection.
- Post combustion analysis of the core and recovery of oil.

#### **VOLUNTEERING**

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- Volunteered for SPE-ICoTA, AIECC, Aberdeen, UK. 17<sup>th</sup> - 18<sup>th</sup> Nov'10
- Volunteered for International Petroleum Week, EI, London 21<sup>st</sup>- 23<sup>rd</sup> Feb'11

#### **CAPABILITIES**

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- Self-driven and highly motivated with skills to prioritize workloads and work under minimum supervision. This is evident from the various projects I have undertaken, especially my Internship wherein I learnt two specialist softwares' – CMG, Eclipse and Petrel by myself to develop different scenarios (and run simulations).
- Volunteered in major conferences and workshops wherein I used my communication and presentation skills to interact and network effectively with specialists and peers. I also developed skills of negotiation while arranging student trip to companies at Energy Institute, RGU.
- Managed time efficiently to attend classes and liaise with peers and professors while undertaking the responsibility of General Secretary to gain an insight into Leadership.

#### **ADDITIONAL INFORMATION**

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Petroleum Software : Eclipse, Petrel, IMEX, STARS, GEM, WINPROP (Computer Modeling Group), STAR-CCM+

Computer skills : C++, Visual Basic, AutoCAD, Database Management


Extracurricular activities : Volleyball, Football, Cycling, Trekking, Swimming, River Rafting,

Community service : blood donations, volunteer for culture events.

#### **PROFESSIONAL ASSOCIATIONS**

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Society of Petroleum Engineers (SPE), Society of Exploration Geophysicists (SEG), Energy Institute (EI)

  
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