

ADIKAVI NANNAYA UNIVERSITY:: RAJAMAHENDRAVARAM
UNIVERSITY COLLEGE OF ENGINEERING
DEPARTMENT ELECTRONICS AND COMMUNICATIN ENGINEERING

A REPORT
On
ONE DAY INDUSTRIAL VISIT
To
OIL AND NATURAL GAS CORPORATION
LIMITED (ONGC),
TATIPAKA NAGARAM, RJY ASSET



ADIKAVI NANNAYA UNIVERSITY
UNIVERSITY COLLEGE OF ENGINEERING

Rajah RajahNarendra Nagar, Rajamahendravaram – 533 296, E.G.Dist., A.P. INDIA.

Dr V Persis
Principal

Mobile No:+91- 9866492711
Email: principal.aknuce@gmail.com

Date : 23 - 03 - 2022,
Rajamahendravaram.

To,
GGM (P),
The Surface Manager,
ONGC,
GODAVARI BHAVAN, RAJAHMUNDRY-533106.

Sir,

Sub : **Permission for Industrial Visit-Request - Reg**

I am glad to inform you that University College of Engineering in Adikavi Nannaya University Campus was started during the academic year 2016-17 with 90 seats in 3 courses of B.Tech in CSE, IT, EIE and Electronics and Communication Engineering branch was started from the academic year 2017-18 with intake of 60 seats. Now the University College Engineering running with 5 Course of B.Tech in CSE, EIE,ECE, Civil Engineering and Mechanical Engineering. Since its inception, University College of Engineering becomes synonymous with good discipline, academic excellence, good results and excellent placement record. Apart from imparting quality education, the college encourages the students to organize Workshops, Seminars, Technical Symposiums, Industrial Visits and participate in various co-curricular and extra-curricular activities. As part of their curriculum, the students are expected to make visits to industrial units like yours to get practical exposure.

I shall be grateful if you extend co-operation by according permission to our 3rd Year Electronics and Communication Engineering students (72 No's) to visit your ONGC, Thatipaka Plant on **31st March 2022** along with **Three** faculty members. If this date is not feasible, please suggest an alternative date in the same week.

I also request you to arrange an interaction session with two or more executives of your esteemed organization, which will enable our students to acquaint themselves with different aspects of your organization. I assure you that the students will not cause any inconvenience to you during the visit.

We look forward for favorable reply from you.

Thanking you Sir,



With Regards

[Signature]
Principal
23/03/2022

University College of Engineering
Adikavi Nannaya University
RAJAHMUNDRY-533 296 (A.P.)

An industrial visit by Department of Electronics and Communications Engineering was organized to visit Oil and Natural Gas Corporation Limited -ONGC at Tatipaka Nagaram, RJY Asset, E.G.Dist. AP.



A batch of 3rd year *IInd* Semester students of Electronics & Communications Engineering (ECE) Department along with faculties visited Oil and Natural Gas Corporation Limited (ONGC) at Tatipaka on **30-03-2022**. This unit was mainly focusing on the industrial safety, Crude oil processing, and function of process control Values. Also, Gas compressing, Water, Gas, Crude Oil Separation Units At first, the group reported to ONGC security office, Main Gate, Tatipaka on 30-03-2022, for onwards journey to tatipaka (GGS). At ONGC Tatipaka Mr.S.GUPTA, Mr.O. SHARON, Mr.N.S.MONGOLI, Mr.D.THRINADH, are addressed the students and introduced about the six major parts of the plant.



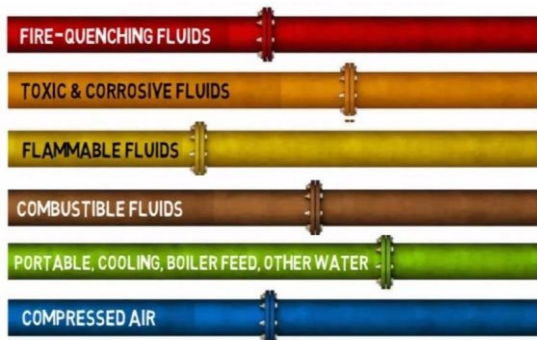
1. **Quality Control Lab (Check of processed Crude Oil samples)**
2. **Crude Oil Processing**
3. **Separation of Oil and Gas from Crude Oil**
4. **Measurement of three process parameters i.e. Temperature, Pressure, and Flow**
5. **Crude Oil Storage Tanks**
6. **Safety of the plant (Fire Station)**



Guides Explained about the functioning of this unit. Also explain the different steps of process plant for the safety of the unit. They Suggest the students, how to reach a safe assembly point if any accident happens in the unit during visit.

Later Mr.D. THRINADH explained the quality control lab, how it works, its main purpose Quality check of processed Crude Oil samples. He explained with Crude Oil Extracts & Samples like MTO, SKO, FEED, NAPHTHAN, HSD, HFHSD, etc.

During this session, students interacted with D. THRINADH very effectively for their queries. After visiting quality controlling lab, we are visiting Assembly Point, on this way he explains about the Colour Coding of Pipes.



Absorber, Pressure and Gas Compressing station, Dehydration station. Crude Oil storage, furnace, vacuum heater etc.





After that we move to “Refinery Control Room” Mr. GOSH explained the Automation, SCADA, Remote Operand Sheet, Digital Marsh Lab.



During this trip students gained practical knowledge about the handling of raw materials (Crude oil) having different characteristics and properties many of points explained theoretically.

This industrial visit was highly useful for students in terms of practical knowledge about the industrial process control and safety. This trip will also be helpful for them to find placement opportunities in such industries.

All the students expressed they're thanks to the officials for the opportunity given.

Faculties: - 1. Mr.A. Vijaya Durga
2.Miss.B. Annie Keziah
3.Mr.P. Venkata Ratnam



ADIKAVI NANNAYA UNIVERSITY, RAJAHMUNDRY

University College of Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III B.Tech(ECE) -II Semester

List of the students for an Industrial Visit On 30-03-2022

S.NO	Reg.No	Name of the Student	Signature
1	198297603001	ADAPUREDDI LOVA RAJU	A.L. Raju
2	198297603002	ALLANKA VIJAYA LAKSHMI	A. Vijaya Lakshmi
3	198297603003	ANGULURI NAVEEN KUMAR	A. Naveen Kumar
4	198297603004	ASULA SANJAY	A. Sanjay
5	198297603005	BANDI DEEPTHI	B. Deepthi
6	198297603006	CHILUKURI LOHITH	C. Lohith
7	198297603007	CHINTHADA HEMANTH	Ch. Hemant
8	198297603008	ELURI REENA MADHURI	E. Reena Madhuri
9	198297603009	GAMPA SHANMUKHA SRIKAR	G. Shanmukha Srikar
10	198297603010	GANDRALA SAHITH VAMSI	G. Sahith Vamsi
11	198297603011	GUDALA ANVESH	G. Anvesh
12	198297603012	GUDAPATI PRIYANKA	G. Priyanka
13	198297603013	KANDREGULA KARUNAKUMARI	K. Karunakumari
14	198297603014	KARE YESWANTH RAJ	K. Yeswanth Raj
15	198297603015	KOLLATI MOUNIKA	K. Mounika
16	198297603016	KONETI SATYA DEEPIKA	K. Satya Deepika
17	198297603017	KOTA JANAKI RAM	K. Janaki Ram
18	198297603018	KUKKALA DURGA PRAMEELA	K. Durga Prameela
19	198297603019	KUNAPAREDDY DEEPIKA SRI SAI	K. Deepika Sri Sai
20	198297603020	LINGAM ANAND	L. Anand
21	198297603021	MADDURI VYSHNAVI	M. Vyshnavi
22	198297603022	MANEPALLI MANILA	M. Manila
23	198297603023	MATTA RAVI CHANDRA	M. Ravi Chandra
24	198297603024	MUNGANDA ASHIKA VENCY	M. Ashika Vency
25	198297603025	NAGIREDDY SNEHARAM KUMAR	N. Sneharan Kumar
26	198297603026	NAGULAPALLI LAHARI	N. Lahari
27	198297603027	NALLI SRUJANA	N. Srijana
28	198297603028	NOKKI DILEEP JOSHI	N. Dileep Joshi
29	198297603029	NULU MADHU SREE	N. Madhu Sree
30	198297603030	PADALA JYOTHSNA	P. Jyothsna
31	198297603031	PAKALAPATI GANESH BHUPATHI	P. Ganesh Bhupathi
32	198297603032	PAKKI VINAY	P. Vinay
33	198297603033	PALLA NAGA SESA REDDY	(Absent)
34	198297603034	PALLEPOGU NAVEEN	P. Naveen
35	198297603035	PEETALA NAVYA	P. Navya
36	198297603036	PONDALA KIRAN	P. Kiran

S.NO	Reg.No	Name of the Student	Signature
37	198297603037	PORANKI VASU RAMACHANDRA RAJU	P. Vasu
38	198297603038	POTHALA PURNA CHANDRA NAIDU	P. Purna chandra naidu
39	198297603039	PUDI SATISH	H. A.
40	198297603040	RYALI SWAMY NAIDU	Swamy Naidu
41	198297603041	SADHANALA CHAKHRA DHARNI	(Absent)
42	198297603042	SALA PAVAN SAI SRIKANTH	S.P. S. Srikanth
43	198297603043	SAMIREDDY. S.NARAYANAMMA	S. Sowbhagya
44	198297603044	SATYA MOULI NIKHILA VADLAMANI	S. Nikhila
45	198297603045	SHAIK ASHISH NAWAZ	SK Ashish naws
46	198297603046	SHAIK RAMEEZ AHAMADSHA	SK Rameez
47	198297603047	SIMMALAPUDI NEERAJA	S. Neeraja
48	198297603048	SINGILIDEVI LAKSHMI NARAYANA	Singilidevi
49	198297603049	SODE GAYATRI DEVI	S. Gayatri Devi
50	198297603050	TALAPAKULA MARY PRASANNA KUMARI	T. Prasanna
51	198297603051	TALARI BABY	T. Baby
52	198297603052	TANTAPUREDDY UMA MAHESH	T. Mahesh
53	198297603053	TATRAJU VENKATESH	T. Venkatesh
54	198297603054	TUMARADA VISWANADHA SAI SANDEEP	T. Sandeep
55	198297603055	TUMULA ARAVIND	T. Aravind
56	198297603056	UPPU HARIKA	U. Harika
57	198297603057	VARTHIA SUGALI SRIDHAR NAIK	(Absent)
58	198297603058	VASAMSETTI SRIYA SARVANI	V. Sriya Sarvani
59	198297603059	VENDRA GEMINI JAYANTH	V. Gemini Jayanth
60	198297603060	VIDYAPATHI KARTHIK	V. Karthik
61	198297603061	YAMANA PRATHYUSHA	(Absent)
62	198297603062	YELLU JAGADEESH	Y. Jagadeesh
63	198297603063	ADARI DEEPTHI AISHWARYA	A. Deepthi Aishwarya
64	198297603064	CHITIKINA PRAVEENA	Ch. Praveena
65	198297603065	GANDI ASWANI	G. Aswani
66	198297603066	NEMALA DEVI PRIYANKA	N. Devi priyanka
67	198297603067	PALAPARTHI SAI KRISHNA SRINIVAS	P. Srikrishna srinivas
68	198297603068	PALEPU SOWJANYA	P. Sowjanya
69	198297603069	PALLA PREETHI SUSMITHA	P. Preethi
70	198297603070	PURELLA RANJITH KUMAR	(Absent)
71	198297603071	TIGIRIPALLI VIJAY KUMAR	T. Vijay Kumar
72	198297603072	UNDRAJAVARAPU NEERAJKUMAR	U. Neeraj Kumar


 Course coordinator
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 COMMUNICATION ENGINEERING
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