

Department of Mechanical Engineering

Report on Expert Lecture Organized

Date:

Name of Event	Expert Lecture	Date of Conduction	15th Sep, 2023
Organizer	Dr Vitthalrao Vikhe Patil COE's, Department of Mechanical Engineering		
In Association with	—NA—		
Title	"Overview of Oil & Gas Industry": A Mechanical Engineering Perspective		
Time	2:00 PM	No. of Participants	36
Expert Name	Mr Shubham Tripathi		
Designation	Project Procurement Manager		
Organization	Reliance Industries Ltd, Mumbai.		

Summary:

The expert lecture on the "Overview of Oil & Gas Industry: A Mechanical Engineering Perspective" provided an in-depth understanding of the oil and gas industry from a mechanical engineering viewpoint. This sector is a key driver of the global economy, with vast applications in energy production, transportation, manufacturing, and many other industries. Mechanical engineers play a crucial role in ensuring the smooth operation, safety, and efficiency of equipment and systems in the oil and gas sector.

Key Topics Discussed

- 1. Overview of the Oil & Gas Industry:**
 - Global Importance
 - Global Market Trends
- 2. Mechanical Engineering Roles in the Oil & Gas Industry:**
 - Upstream Operations

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- Midstream Operations
 - Downstream Operations
 - Safety and Risk Management
3. **Key Mechanical Engineering Skills in the Oil & Gas Sector:**
- Design and Manufacturing
 - Materials Science
 - Fluid Mechanics and Thermodynamics
 - Maintenance and Reliability Engineering
 - Automation and Control Systems.
4. **Technological Advancements in the Oil & Gas Industry:**
- Digitalization
 - 3D Printing
 - Robotics and Drones
 - Enhanced Oil Recovery (EOR)
5. **Challenges in the Oil & Gas Industry:**
- Safety
 - Environmental Concerns
 - Cost Optimization
 - Globalization and Geopolitics
6. **Career Opportunities for Mechanical Engineers in the Oil & Gas Sector:**
- Design and Project Engineer
 - Field Engineer
 - Maintenance Engineer
 - Integrity and Reliability Engineer
 - R&D Engineer

Recommendations for Aspiring Mechanical Engineers:

- Develop Specialized Skills
- Pursue Certifications
- Focus on Practical Experience
- Stay Informed on Industry Trends

By focusing on these areas, mechanical engineers can carve out successful careers in the oil and gas sector while contributing to its technological and environmental evolution.

Office Order:

Department of Mechanical Engineering

Date: 11/09/2023

It is to inform all the faculties and students of the Mechanical Engineering department that MESA Auto Discovery Club is organizing a One Day Workshop on “Overview of Oil & Gas Industry: A Mechanical Engineering Perspective” and the details are as following;


Expert Details : **Mr. Shubham Tripathi**
Manager (Project Procurement)
Reliance Industries Ltd, Mumbai.

Venue: **CAD/CAM Lab**


Date: 15/09/2023

Time: 2:00 pm.




Dr. R.R. Navthar
HOD
Mechanical Dept.


Brochure:




Department of Mechanical Engineering

Expert Lecture on
**"OVERVIEW TO OIL & GAS INDUSTRY" :
MECHANICAL ENGINEER
PERSPECTIVE**

**BUILDING
THE BEST
FUTURE**

 15th September, 2023 @ 02.00 pm
 Mr. Shubham Tripathi
Project Procurement Manager,
Reliance Industries Ltd,
Mumbai.

  **DR. VITHALRAO VIKHE PATIL
COLLEGE OF ENGINEERING**
Vilad Ghat, Ahmednagar
Accredited by NBA, New Delhi | Accredited by NAAC Bangalore, with 3.34 CGPA

Photograph/Screenshots of event:





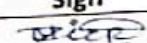
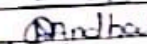

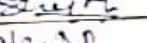
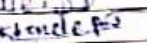
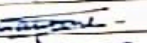
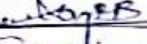

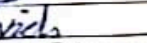
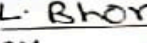









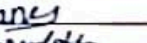


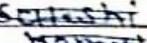
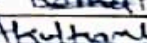
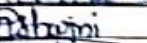








Attendance:

PAD.DR.VITHALRAO VIKHE PATIL COLLEGE OF ENGINEERING, AHMEDNAGAR
DEPARTMENT OF MECHANICAL ENGINEERING

Expert lecture on

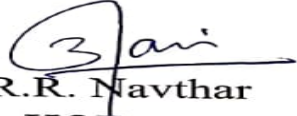
"OVERVIEW OF OIL AND GAS INDUSTRY – A MECHANICAL ENGINEER PERSPECTIVE"

15/9/2023

Sr No	Name of Student	Sign
1	Niranjana Y. Zirpe	
2	Andhale Nikhil Arjun	
3	Nannawane Vishal Graharnath	
4	Shailesh Moin Aslam	
5	Kale Dhimaj Dattatray	
6	Lokhande Abhijit Sambhaji	
7	Sanawane Prathamesh Sangram	
8	Belhekar Rohit Babalu	
9	Ganod Abhishek Kamalakar	
10	Chavane Nikhil Anil	
11	Shinde Gaurav Ravindra	
12	Bhor Rashan Laxman	
13	Autade Uday Ashok	
14	Basbade Rohit Kailas	
15	Kardile Koushna Bhausaheb	
16	Kshirsagar Rushikesh Devadas	
17	Ruram Anil Ganapav	
18	Mhetre Vishal Sadashiv	
19	Gyuraj Ramnath Kulkarni	
20	Yadav Rajendra Manoj	
21	Atharva Vaibhav Rajendra	
22	Waiyagau Suresh Rajis	
23	Wakale Shubham Raju	
24	Wagh Saurabh Rajendra	
25	Shirsath Tanuja M.	
26	Bamhane Shradddha Sandip	
27	Ashad Shreya Pravin	
28	Bhumika Valmik Thorat	
29	Sakshi Balasaheb Padwal	
30	London Ramal Ashok	
31	Kulkarni Anil Mahes	
32	Dhakane Ashwini Shivnath	
33	Deshmukh Gayatri Shivaji	
34	Shinde Vaishnavi Ashok	
35	Panmand Pipti Babasaheb	
36	Kale Gayatri Suresh	

Organized by:

Name of the Club	MESA Auto Discovery Club
Name of the Faculty	Prof. B.T Tagad


Dr. R.R. Navthar
HOD
Mechanical Dept.



PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar