



**SKILLZYN**<sup>TM</sup>  
**ACADEMY**  
Empowering Skills

**Build Skills**  
**Build Your**  
**Future**



**Skillzyn Academy**  
**Career - Focused Training Programs**

 [www.skillzyn.com](http://www.skillzyn.com)

# Your Pathway to Career Success Starts Here.

Skillzyn Academy is a professional skill-development institute dedicated to bridging the gap between education and industry. We focus on practical, career-oriented training that empowers students to become job-ready in high-demand sectors. Our programs combine expert faculty guidance, hands-on learning, and internship support to help learners build strong career foundations.

## Our Mission

At Skillzyn Academy Private Limited, our mission is to empower students with industry-relevant skills that bridge the gap between education and employment.

## Why Choose Skillzyn?

Industry-oriented training

Practical learning + internships

Expert faculty & real-world projects

Placement assistance

Globally relevant skills



*Programs We Offer*

## **Choose Your Career Track**

- **Healthcare Management & Administration**
- **Diploma in Civil Construction Management**
- **Logistics & Supply Chain Management**
- **Human Resource Management & Industrial Relations**
- **Diploma in Food Safety & Quality Management**
- **QA / QC (Mechanical, Civil, Electrical)**
- **Aviation & Airport Management**
- **Banking & Financial Management**
- **Accounting & Taxation**
- **Fire and Safety**
- **Digital Marketing**
- **NDT Level II**
- **Oil and Gas Operations**
- **Electric Vehicle (EV) Design**
- **Montessori Teacher's Training**



# Oil and Gas Operations

## Duration

3 Months | 6 Months | 12 Months

## Qualification

Plus Two & Above

## Certification

(CTDS), Skillzyn

An Oil and Gas Operations course provides comprehensive knowledge of the exploration, production, transportation, refining, and distribution of oil and gas. It covers key topics such as drilling techniques, reservoir management, pipeline operations, refining processes, and health, safety, and environmental (HSE) regulations. Students gain practical skills in equipment handling, risk assessment, and industry compliance standards..

## Career Opportunities ?

Petroleum Engineer

Drilling Engineer

Reservoir Engineer

Clinical Manager

Geologist / Geophysicist






Rig Operator



## *Benefits of*

# Oil and Gas Operations

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-  **Industry Knowledge**  
Learn about exploration, drilling, refining, and production processes.
-  **Technical Skills**  
Gain hands-on expertise in equipment operation, maintenance, and troubleshooting.
-  **Career Opportunities**  
Open doors to roles like petroleum engineer, field operator, or HSE officer.
-  **Higher Salary Potential**  
Specialized skills lead to competitive salaries in the industry.
-  **Certifications**  
Obtain industry-recognized credentials like OSHA, IWCF, and OPITO.

## *Course Module*

-  **1. Introduction to Oil and Gas Industry**
  - » Overview of the global oil and gas industry
  - » Upstream, midstream, and downstream operations
  - » Oil and gas value chain and lifecycle
  - » Industry terminology and basic concepts

## **2. Petroleum Geology & Exploration**

- » Fundamentals of petroleum geology
- » Geological and geophysical survey methods
- » Reservoir rock and fluid properties
- » Exploration techniques and prospect evaluation

## **3. Drilling Engineering & Well Operations**

- » Drilling methods and rig types
- » Drilling fluids and well control basics
- » Casing, cementing, and well completion
- » Drilling safety and operational challenges

## **4. Reservoir Engineering & Production Systems**

- » Reservoir characterization and management
- » Production mechanisms and recovery methods
- » Production optimization techniques
- » Artificial lift systems

## **5. Oil & Gas Production Operations**

- » Surface production facilities
- » Separation, treating, and processing
- » Equipment operation and maintenance
- » Troubleshooting production issues

## **6. Midstream Operations & Pipeline Management**

- » Transportation of oil and gas
- » Pipeline design and operations
- » Storage facilities and terminals
- » Flow assurance and pipeline safety

## **7. Downstream Refining & Processing**

- » Refining processes and refinery units
- » Gas processing and LNG basics
- » Product blending and distribution
- » Quality control and efficiency management

## **8. Health, Safety & Environmental (HSE) Management**

- » Occupational health and safety standards
- » Environmental protection and sustainability
- » Industry certifications and compliance (OSHA, OPITO, IWCF)

## **9. Regulations, Digital Technologies & Practical Training**

- » Oil and gas regulations and standards
- » Digital tools and automation in operations
- » Case studies and real-world scenarios
- » Practical training, simulations, and final project

# Build **Skills** Build Your Future



Start Your  
**Skill Journey Today !**



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