

Pipeline Construction Management – Skill Development Course

This online and classroom course is self-explanatory with pictures and clips describing the actual Oil & Gas Pipeline Construction Process. The course describes the planning, construction, execution and GIS aspects.



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The Program is designed for pipeline Construction Management with an awareness of modern design and construction. Program provides training to bring the student up to date with the latest design and construction practices. Course Covers Pipeline Design, Scheduling, Planning, Construction, QA/QC, Equipment Mobilization, Manpower Requirement, Document Management, Material/Vendor Management , GIS, Route & Land Management.

Unistal Systems Pvt. Ltd, is a solution provider of domain focused services for Oil & Gas industry. Head quartered in New Delhi with state of the art Development & Training center at NOIDA, India.

This course is specially designed for Mechanical Engineers (B.E/B.Tech/Diploma). These engineers can get trained for the fast growing and demanding Oil & Gas Industry. Opportunities galore for Oil & Gas pipeline industry for construction, planning, operations and maintenance.

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The benefits to students for enhancing their skills to make them ready for the Oil & Gas Industry. The students get increased technical knowledge when working on complex engineering projects, Useful work examples that can be applied back in the workplace, Broadening the range of career opportunities available, Improved Management Skill.

Course Concept

This e-learning online course is prepared for skill development for the Oil & Gas Industry. In India itself the plan is to construct more than 25000 KM of pipelines to support Oil & Gas distribution. Even today, there are at least 2500 KM of pipelines being constructed by major companies like Indian Oil Corporation, GAIL India Ltd, GSPL, Reliance, BPCL, HPCL, Oil India, Cairn India along with many City Gas initiatives by Adani, Mahanagar Gas, Indraprastha Gas, Gujarat Gas etc.

The Need of this Course

The need of the hour is for Engineers in this industry. With so many pipelines being constructed, these have to be mapped on GIS and data populated in a systematic manner for efficient Integrity Management and Maintenance of these sensitive pipeline assets.

What went into designing this course?

Unistal has been the pioneer in developing and designing the Pipeline Information Management Application since 2004. This application has been running successfully at all the major Oil & Gas companies since then. More than 64 pipeline projects have been managed using this application. About 25000 KM of pipelines have been mapped along with their data using this application. This is a tried and tested system which has been designed by top experts and specialists of the Industry from fields of Construction, Commissioning, Planning, Engineering, Quality and Maintenance. This is an Industry designed and Industry used application.

The software used has been developed for more than 7500 man days by developers in PHP, GIS and Web.

The Course Offered: Pipeline Construction Management Engineer

- 1) Pipeline Design (4 Hrs)
- 2) Pipeline Construction Activities (28 Hrs)
- 3) Preparation of Inspection Reports (8 Hrs)
- 4) Pipebook Generation (8 Hrs)
- 5) Preparation of Clearance Reports (4 Hrs)
- 6) Planning & Scheduling (4 Hrs)
- 7) Document Management (12 Hrs)
- 8) Material Management (4 Hrs)
- 9) GIS System for Pipeline (4 Hrs)
- 10) Route & Land Management (4 Hrs)

Benefits to Students

- Mechanical engineers have a better chance of being recruited by companies like Punj Lloyd, Essar,, Kalpataru, Galfar, Kazstroy.
- Jobs for planning, estimation, construction engineer or QC Engineers in various oil & gas companies.
- Jobs as construction supervisor, quality surveyor, materials coordinator, Pipeline Information manager, Document controller are created by this course.

