



# **INDUSCAN**<sup>®</sup> **PETROLEUM INSTITUTE**



An ISO 9001-2015 Certified Institution

Established in 2002

ENGINEERING CONSULTANCY ♦ SKILLED PROFESSIONAL RESOURCES ♦ ENGINEERING SKILL DEVELOPMENT PROGRAMMES

## **ENGINEERING DIPLOMA** **Induscan Customized Course**





## ABOUT INDUSCAN

Induscan Petroleum Institute is an ISO 9001: 2008 certified, Trade Mark Registered academy established in February 2002. This institute pioneers in Engineering consultancy, Engineering skill development programs, Human Resources, and Skilled Professional Management for all kinds of mechanical construction industries especially in Oil and Gas Sector, Thermal Power sector, Petro-Chemical sector, and other related Industries. Induscan's skill development programs are available from matriculation level (skilled Technician) throughout Post-graduation level (Skilled Design Engineer). The course elevates employability of youth and ensures employment all around the world. Induscan's skill development programs enhance sufficient clarity in the area of employability and nature of the responsibilities of skilled professionals in the industry. Thousands of skilled professionals have benefited this program since 2002.



### VISION

The Global Engineering community shall recognize their skill range in accordance with international standards and specifications. Industry shall recognize the potential of skilled engineering professionals and source of dynamic candidates from Induscan Petroleum Institute.



### MISSION

Construct a strong bridge of engineering skills between engineering professionals and the International Mechanical Construction Industry so that need from either side is successfully fulfilled.



### RECORDS

Since February 2002, Induscan Petroleum Institute has proven records of successful services in accordance with the vision and the mission of its nature. The system of skill development and industrial customization is introduced as a miniature of the core mechanical engineering industry (Mechanical Construction, Mechanical Production/Manufacturing, and Mechanical Maintenance).





# INDUSCAN CUSTOMIZED COURSES

## SCOPE

Engineering activities are classified into three levels of outputs: Technicians, supervisors and engineers. As per present education system in India, ITIs produce technicians; Polytechnic colleges produce supervisors (Diploma Holders) and engineering colleges produce engineers (Graduate Engineers). Technicians are the real people supposed to put their hands on job.

Supervisors should have the minimum level of hands on job experience but at the same time, they should have the ability to support the technical languages of an engineer. At present, the University curriculum of Engineers is based on DESIGN ASPECTS and it is felt that it does not shape the Graduates for Industry Engagement. At the same time, in reality, engagement pattern of Engineering Graduates is 90 % for NON-DESIGN AREAS. There will be more opportunity for Employment in Servicing, Effective Plant Running, Problem Solving, Operational Performance Improvements, Marketing and Product Developments.

At present, most of the engineering professionals are not confident in producing any kind of output expected from them by an entrepreneur. In most of the industries, engineer, supervisor, technician ratio in average is 1:10:300. At the same time ratio of engineering colleges, polytechnic colleges and ITIs in India are far from the orientation of their employment. Technicians are very less in number, supervisors are more and engineers are still more than the real requirements. Skill based employability level of practical technical force is very poor. We visualise to transform this scenario. Induscan's Customized Engineering Courses helps the candidates to act in accordance with the real need of industry.

## INDUSCAN CONCEPT OF CUSTOMIZED ENGINEERING COURSES

It is a new concept in technical education for students after their plus two to meet the challenges of the day for employment and entrepreneurship.

Aim is to prepare students and to make them proficient in different engineering skills so as to enable them to secure employment easily. There are three steps of training.

First step of training is for Customized Technicians, second step for Customized Supervisors and the third step is for Customized Engineers as per aptitude, interest and calibre of the students.

Irrespective of group or marks obtained in Plus- Two studies, student with aptitude in technological studies can make his/her technical education easy and interesting. Students can start their studies (Step1) as Customized Engineering Technician for a period of one year (400 Working Days). Upon successful completion of Step 1 studies, the candidate shall get entry for Skill development program for placement as Skilled Technician and shall continue in their employment life.

After completion of step 1 studies, if the candidate wishes for further technical studies, he/she shall take admission for step 2 studies of Customized Engineering Diploma. Upon successful completion of Step 2 studies, the candidate shall get entry for Skill development program for placement as Skilled Supervisor and shall continue in their employment life.

After completion of step 2 studies, if the candidate wishes for further technical studies, he/she shall take admission for step 3 studies of Customized Engineering Graduation. All trainings are practical oriented. Employment is guaranteed for each Step of studies for successful students. Entrepreneur can confidently employ young, skilled and energetic work force towards timely and targeted output on the day of appointment itself.



## Induscan's Customized Supervisor (Termination Step 2- Skill Level 7)

Course of Induscan's customized Supervisor is the continuation of Customized Technician-Skill level 4. Students shall continue with module 5, module 6 and module 7 to complete the Step 2 studies. During this period of study, he/she undergoes practical oriented training of Mechanical Engineering such as Engineering Drawings, Dimensions of Materials, Material standards, Manufacturing processes, Structural Steel fabrication, Welding Procedures, Welder qualification, International Welding Standards, Process Piping, NDT Procedures and Standards, Quality Control Methods, International Quality Standards, Mechanical Maintenance, Agro Engineering, Industrial Safety, Work Management and Disaster Management in the level of a Engineering Supervisor / Inspector. Duration of Step 2 is 2100 Hours (350 Working Days@ 6 hours per day). (Step 1 + 2 is 2400+2100, total 4500 Hours of training). Methodology of study is 40% theory plus 60% Practical classes.

### Skilled Supervisor (Skill Level 7.A)

Up on completion of seventh module those who want to terminate their study to work as "skilled supervisors" shall opt for module 7.A to specialise in their interested subject and develop skill to suit employment. Duration of module 7.A is 540 hours (90 days @ 6 hours per day). Methodology of study is 40 % theory and 60% hands on project classes.

Pre Admission Counselling.

Pre admission counselling (One day) will be arranged in the institute to explain the course content, course benefit, course fee, joining process, methodology of training, stipend, employment, answer to questions etc. Counselling dates will be published as per schedule of batches. On line registration form for counselling is available in website.

### Eligibility Criteria for Course Admission

The applicant shall have the certificate of Induscan's Customized Technician and shall have attended the pre admission counselling for Customized Supervisor at Induscan to get eligibility for course admission.

### Syllabus

(Detailed syllabus is available during pre admission counselling)

**Training Methodology** (Is available during pre admission counselling)

**Training Facility** (Well equipped with most modern labs and workshops)

**Training Faculty** (Technically qualified, industrially exposed Faculty members)

**Course Fee** (Fee list is available during pre admission counselling)

**Placement** (Placement is guaranteed for all successful customized Supervisor/Inspector)



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