

# **SYLLABUS FOR INDUSTRIAL STRUCTURAL DESIGN COURSE**

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# ***SYLLABUS FOR INDUSTRIAL STRUCTURAL DESIGN COURSE***

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**Training which suits to work in industrial fields like Power Plant, oil & Gas plants, Petrochemicals, Fertilizer plants etc.,**

**Basic Requirements:- MS Office, Manual calculation & Staadpro or any Structural Analysis software.**


**Topics Covered:**

- 1. Storage Tank foundation design.**
- 2. Shear Wall Design.**



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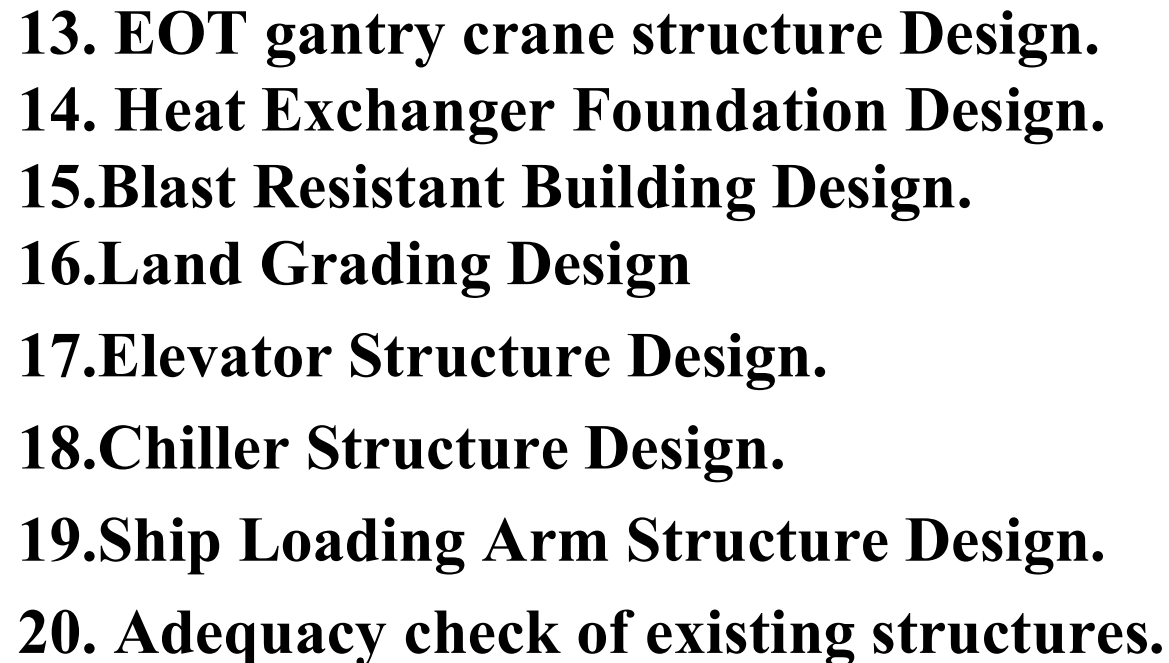
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- 3. Access Road Design.**
  - 4. Pipe Support Design.**
  - 5. Pipe Sleeper's Design.**
  - 6. Pipe Rack/Pipe Bridge Design.**
  - 7. Underground Sump Storage Design.**
  - 8. Equipment Structure Design.**
  - 9. Drainage Layout and Design.**
  - 10. Pavement Design.**
  - 11. Static Equipment Foundation Design.**
  - 12. Dynamic Equipment Foundation Design.**



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- 13. EOT gantry crane structure Design.**
  - 14. Heat Exchanger Foundation Design.**
  - 15. Blast Resistant Building Design.**
  - 16. Land Grading Design**
  - 17. Elevator Structure Design.**
  - 18. Chiller Structure Design.**
  - 19. Ship Loading Arm Structure Design.**
  - 20. Adequacy check of existing structures.**



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## **PROJECT WORK:-**


- Design of Industrial structures as listed above in syllabus.

Project submission, Review and Q&A.



## BENEFITS OF THIS TRAINING.

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- ◆ DUE TO ONLINE, IT SAVES TRAVEL TIME, ENERGY AND REALATED EXPENSES.
  - ◆ ONE YEAR BACKUP CONSULTATION SUPPORT FOR THEIR OFFICE WORKS ENTENDED FOR TRAININED CANDIDATES.
  - ◆ CLEAR UNDERSTANDING OF CIVIL & STRUCTURAL DESIGN PROCESS.
  - ◆ EXPERTIZATION IN MANUAL CALCULATIONS.
  - ◆ EXPERTIZATION IN DESIGN SOFTWARES LIKE STAAD/ETABS/SAFE Etc.,
  - ◆ KNOWLEDGE IN CURRENT INDUSTRY WORK CULTURE.
  - ◆ IMMEDIATE TAKE OFF WHEN JOB IS ASSIGNED,NO PRE-TRAININGS REQUIRED FROM JUNIOR LEVEL.
  - ◆ ABILITY TO BECOME SENIOR/LEAD LEVEL WITHIN ONE YEAR OF JOB ASSIGNMENT.
  - ◆ EXPERTIZATION IN CONSTRUCTION PROBLEMS SOLVING.
  - ◆ EXPERTIZATION IN QUICK SOLUTIONS AT SITE.



# MODE & DURATION OF COURSE

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## Mode:

Online mode through skype or webex or team viewer platform with screen sharing mode.

## Duration:

Course duration will be 6 Months with 60 hrs in which direct teaching will be 45 Hrs and rest is for assignment verification and guidance/clarifications. Classes will be 1 hr duration on every alternate day.



# COURSE FEE & PAY TERM DETAILS

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**TOTAL COURSE FEE TO BE PAID WILL BE :**

**Rs.50,000/- or 750 USD in 10 Instalments.** (Conditions apply for trainees from more than 3 hrs time zone varying countries)

**FEE PAYMENT TERMS:-**

Advance payment is not necessary. One can pay every 10 days once AFTER completion of 10 days classes. Failure of payment of fees after 10 days class, will lead to temporary pause of course. After paying the due if any such, the classes will be resumed accordingly.

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