STAAD.Pro Basic Syllabus

The duration required to complete this syllabus will take **two or three days** depending on the level of the students/trainees.

Prospective

It could be anybody who feels comfortable with the following prerequisites.

Prerequisites

To get the most out of STAAD training, trainees/students should have solid understanding in the following subjects.

- Mathematics: Vector analysis, Matrix, differential equations.
- Strength of Materials.
- Structural Analysis.
- Steel Design.
- Concrete Design.
- Foundation Design.

Objective(s)

To learn basic operations in STAAD.Pro.

Details

- Introduction.
- Knowledge brush up on Structural Analysis and Design.
- How to select member element properly.
- Modeling Technics.
- Member specification.
- Understanding in load(s) and load combination(s).
- Wind load generator.
- Moving load generator.
- Interpreting of an analysis result.
- Knowledge brush up on steel design.
- Knowledge brush up on concrete design.
- Knowledge brush up on foundation design.
- Perform steel design.
- Perform concrete design.
- Validation examples.

Note: This training program is prepared according to established engineering principles and guidelines. While believed to be accurate, the information or the knowledge gained through this program should never be utilized for any specific engineering application without professional observance and authentication for accuracy, suitability and applicability by a competent and licensed engineer, architect or other professional. REI disclaims any liability arising from the unauthorized and/or improper use of any information contained in this program or the documents provided within the program, or as a result of the usage of the program.