

Unati Global Connect Private Limited (UGCPL) | Integrity | Sanctity | Commitment |

ONLINE TRAINING-CUM-INTERNSHIP PROGRAM POWERED BY UGCPL

STAAD.PRO

Important information related to Training-cum-Internship Program

- ✦ On registration confirmation, a common whatsapp group will be formed, where the students will be getting all necessary updates including the joining link (MS Teams / Google Meet) for online sessions.
- ✦ Two-hours online session on alternate-day-basis will be held from 3.00 pm to 5.00 pm (A minimum of 30 Hrs in one month and 45-50 hours for 45 days). Timing schedule may change on request of majority of the participants
- ✦ 25 % of the allocated time will be for real time project work implementation.
- ✦ Project work will be in group of students (group will be consisting of a maximum of 8 students).
- ✦ Submission of complete project report by the participant is mandatory for the Internship Certification–One copy of the project report needs to be submitted at the parent Institution/Department and another copy will be required to be submitted to UGCPL.
- ✦ Upon submission of project report in the concerned parent Institute/Department, the participants will be able to download their Internship Certificates within 10 working days from our website (www.ugcpl-india.com). The hard copy of the certificates will be submitted to the T&P Cell of the concerned University/Institute on request within 20 days time period.
- ✦ After successful completion of Training–cum–Internship program, students may submit their copy of certificate along with their updated resume/CV online to UGCPL by e-mail for availing *lifetime free campus placement opportunities* offered by UGCPL.
- ✦ The participants will have to make their own arrangement of resources like Laptop or PC or smart phone and internet connectivity for attending the sessions through MS Teams/Google Meet platform.

Course Structure/Schedule of the Training-Cum-Internship on **STAAD PRO**

Module 1

- ✚ Introduction to Staadpro
- ✚ Why we learn staadpro
- ✚ Briefly understanding the applications

Module 2

- ✚ Designing using Staadpro
 - Add space
 - Add beam
 - Add plate
 - Creating model
 - Applying many types of support
 - Use Rotation
 - Use of Plan

Module 3

Material use

- ✚ Use of concrete design
- ✚ Use of steel in design
- ✚ Calculation of thickness in design

Module 4

Load

- ✚ Assigning the dead and live load
- ✚ Assigning the load combination
- ✚ Use of nodal load
- ✚ Use of member load
- ✚ Use of floor load
- ✚ Use of temperature
- ✚ Use of plate load

Module 5

Design analysis

- ✚ Analysis the design
- ✚ Resolve the error of design

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Module 6

Use codes

- ✚ Uses of Indian Codes
- ✚ Uses of bridge Codes

Module 7

Concrete Design

- ✚ Parameter Selection
- ✚ Use of various types of commands

Module 8

Structural Wizard

- ✚ Generate Model
- ✚ Use rotation
- ✚ Use pin

Module 9

Report Generation

- ✚ Generate the report of full design

Module 10

Staad.Pro Editor

- ✚ Changing the load value and direction

Project Work followed by project work documentation