JADAVPUR UNIVERSITY
COMPUTER AIDED DESIGN CENTRE
Faculty Council of Engineering and Technology
Kolkata - 700 032

Certificate Course on
Structural Analysis And Design (STAAD)

Course Duration: 9-10 weeks [2hrs/day] [3 days/week]; Total 58 hrs

Class Duration: Theory Sessions: 2 hrs each; Practical Sessions: 2 hrs each

Eligibility: B.Tech./B.E./AMIE (Civil/Construction)/Final Year Students of B.C.E. /B.Constn.,
(All should have knowledge of Windows Operating System).

Class No.	Theory/Lab	Topic
Class –01	Theory	Introduction & General Idea of STAAD
Class – 02	Theory	Input Instructions for Geometry Generation Class -1
Class –03	Theory	Input Instructions for Geometry Generation Class -2
Class – 04	Lab	Formation of Various Frames
Class – 05	Theory	Input Instructions for section, support specification
Class – 06	Theory	Input Instructions for primary Load generation
Class –07	Theory	Input Instructions for define loads Class-1
Class – 08	Lab	Analysis of Plane Frame
Class –09	Theory	Input Instructions for define loads Class-2
Class –10	Lab	Analysis of Plane Frame/Truss
Class –11	Lab	Analysis of Plane Truss
Class –12	Theory	Generation of Models
Class –13	Lab	Analysis of Space frames Class-1
Class –14	Lab	Analysis of Space frames Class-2
Class –15	Theory	Generation of loads
Class –16	Lab	Analysis of Space frames Class-3
Class –17	Lab	Analysis of Space Frame Class-4
Class –18	Theory	Post processing
Class –19	Lab	Analysis of Space Frame Class-5
Class –20	Theory	Indian Concrete & Steel Design
Class –21	Lab	Analysis & Design of Plane Truss - 1
Class –22	Lab	Analysis & Design of Plane Truss - 2
Class –23	Theory	Building Project Class - 1
Class –24	Lab	Building Project Class - 2
Class –25	Theory	Advanced feature , Interactive Design
Class –26	Lab	Building Project Class - 3
Class – 27	Lab	Building Project Class - 4
Class –28	Theory	Theory Test
Class – 29	Lab	Lab Test