



# **NEW HORIZON COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

## **Department of Civil Engineering**

### **Workshop on TEKLA SOFTWARE**

*on*

15<sup>th</sup> March 2018

By

**V.P. Naik**

(MD & CEO, G2G Engineering Services Pvt Ltd)

Venue: Falconry Hall

at 10:00 AM

*Cordially invite all the faculty members and students to attend the Seminar*

**Dr. Manjunatha**

**Principal**

**Dr. Niranjana P S**

**HOD - CIVIL**

VP Naik

Managing Director & CEO

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## Summary

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### Experience

Detail Engineering at G2G Engineering Services Private Limited - Gen2Global

April 2006 - Present

G2G provides engineering support for Engineering, Procurement, Construction, and Project Management, companies that service Oil & Gas, Mining, Minerals & Metallurgy, Energy & Power, Chemicals & Fertilizers, Transmission & Distribution, Marine Structures, Engineering Design Build, Infrastructure and Fabrication.

G2G engineering support services provide fully integrated, multi-disciplinary industrial plant design. We utilise the latest 3D modelling software for detail design development and adopt customized solutions & methods that best suit our clients' requirement.

Detailed Engineering Support Services:

**Civil/Structural Engineering:** Includes preparation of layout and plot plan, Civil, steel structural analysis, design and drawings, preparation of technical specifications, 3D modeling, structural steel shop drawings, bill of quantities and bar bending schedules.

**Mechanical Engineering:** Includes preparation of layouts and General Arrangement (GA) drawings, equipment design and specifications/data sheets, fabrication and shop drawings, piping design, arrangement, spool generation, isometric drawings and bill of materials, Finite Element Analysis (FEA), vendor document approval, drafting and 3D modeling, and as-built documentation.

**Electrical Engineering:** Includes preparation of single line diagrams, layouts, electrical equipment specifications, bill of quantities, cable sizing, hazardous area classification, drafting and 3D modeling.

**Instrumentation and Control Engineering:** Includes preparation of I/O schedules, logic diagrams, layouts, instrument specification, instrument hookup diagrams, bill of quantities, drafting and 3D modeling.

## Workshop Report

one day workshop on "**Tekla Structures – BIM software – its application and scope in Civil Engineering**", for 3<sup>rd</sup> and 4<sup>th</sup> year Civil Engineering students on 15<sup>th</sup> March 2018.

Dr. Niranjana P S , Professor and Head of the Department welcomed Mr. V.P. Naik C.E.O of G2G company the resource person of the workshop.

Mr. V.P. Naik C.E.O of G2G company explained in his presentation, the wide application of Tekla structures- a BIM software. Encouraging students to learn the software, he told that the software helps to model highrise office or residential buildings, incorporating different kinds of building materials including steel, concrete, timber and glass. The speaker also highlighted that the software allows structural drafters and engineers to design a building structure and its components using 3D modelling, generate 2D drawings and access building information.

Quoting some of its applications are design of Capital Gate at Abu Dhabi, UAE, apart from its wide use in modelling stadium, offshore structures, plants, factories, bridges, skyscrapers, residential buildings etc.

The workshop was concluded at 4.30pm, Prof. Ranganathan. B. A presented vote of thanks.

