High level Design (HLD)

Programing/Automation in Civil Engineering

Part – 1

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Abstract

In general civil design process for pipe support structures such as pipe rack / module. We manually locate the beam which support the pipe in STAAD model and apply the load on that beam. This task become time taking and may lead to error with increase in the size of structure and no. of supports increases. This work discusses the implementation of automation in design process to reduce the time required to build a model and also reduces the chances of error.

##### Introduction