



المعهد الكوري الفلسطيني المتميز لتكنولوجيا المعلومات

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## Advanced Revit

### Prerequisites:

This training course introduces use fundamental skills in learning how to use the Autodesk Revit structural software. It is highly recommended that students have experience and knowledge in Revit Architectural Software.

### Course Contents

Advance Revit structural course is a Building Information Modelling “BIM” solution that provides a comprehensive toolset for structural design. Through a continuous sequence of a project, firstly, students will learn how to use Revit’s advance features and tools relevant to structural aspects. Secondly, students will learn how to create a 3D Model concrete reinforcement in an advanced “BIM” environment by using Revit. The goal is that at the end of the course, the student will be able to deal with the tools required to create, modify, analyze, and document the structural element and model. The topics covered in this course include:

- **Adding Foundations:** strip Footings - step and spread footings - structural slabs.
- **Adding Columns and Walls:** placing structural and slanted structural columns - adding structural grids - drawing and modifying structural walls.
- **Beams and Framing systems:** adding beams and beams Systems - modifying beams - labeling framing.
- **Structural Reinforcement:** cover depth - adding rebar - area and path reinforcement.
- **Detailing:** setting up detail views - creating construction details - annotating details – patterning.
- **Scheduling:** reinforcement and rebar schedules – concrete schedules - modifying schedules - other schedules - legend views.