Karmaveer Bhaurao Patil College of Engineering, Satara

Career Development Cell

Presents

Find some useful software's to prepare for Core Civil Engineering Jobs.

1. AutoCAD- (AutoCAD is a commercial computer-aided design and drafting software application).

2. SketchUP- (SketchUp, formerly Google Sketchup, is a 3D modeling computer program for various drawing applications).

3. STAAD Pro- STAAD is a structural analysis and design software applications.

4. Revit Architecture- Revit Structure is Autodesk's BIM software solution for structural engineering companies and structural engineers.

5. E-TABS- ETABS is an engineering software product that caters to multi-story building analysis and design.

6. MS Excel- Microsoft Excel is a spreadsheet developed by Microsoft for Windows, macOS, Android, and iOS. It features calculation, graphing tools, pivot tables, and a macro programming language called Visual Basic for Applications and is used for almost everything.

7. Primavera P6- One of the best civil engineering software courses. Primavera is enterprise project portfolio management software.

8. MS Project- Microsoft Project is a project management software product developed and sold by Microsoft.

9. Autodesk 3ds Max- Is a professional 3D computer graphics program for making 3D animations, models, games, and images.

10. Autodesk Maya- Is a 3D computer graphics application that runs on Windows, macOS, and Linux, originally developed by Alias Systems.

11. AutoCAD Civil 3D- AutoCAD Civil 3D software is a design and documentation solution for civil engineering.

12. SAP2000- SAP2000 is general-purpose civil-engineering software ideal for analyzing and designing any structural system.

Civil Engineering Software for Cost Estimation and Quantity Estimation

1. Estimator™ 2.0: is Estimation and Project Management Software for Architects, Builders, Contractors, and Engineers.

Software for Project Control

Candy Software: Project Control. The ultimate Construction Project Management Software, Candy is unique, powerful, and dynamically focused on project control in the construction & engineering industry.

Microsoft Project: This software is very popular and is considered the industry standard for project control. It offers a lot of features and is very user-friendly.

Primavera P6: This software is also quite popular and is used by many large organizations. It offers many features and functionality but can be complex to use.

TaskJuggler: This software is open-source and free to use. It is less feature-rich than the other two options but much simpler.

GanttProject: This software is also open source and free to use. It offers basic project control features but is not as feature-rich as the other two.

Software for Project Accounting

Tally: Tally Solutions Pvt. Ltd. is an Indian multinational company that provides enterprise resource planning software.

SAP ERP Core Finance: SAP ERP Core Finance Software. SAP S/4HANA is an integrated enterprise resource planning (ERP) software suite designed to serve businesses of size and kind

Software for Building Information Modeling (BIM)

Autodesk Revit

Autodesk Revit: Is building information modeling software for architects, landscape architects, structural engineers, MEP engineers, designers, and contractors developed by Autodesk.

Navisworks

Navisworks (known for a while as **JetStream**): Is a 3D design review package for Microsoft Windows. They are used primarily in construction industries to complement 3D design packages (such as Autodesk Revit, AutoCAD, and MicroStation).

Autodesk BIM 360

Autodesk® BIM 360™: Build is a cloud-based field management service for construction professionals combining a mobile application with collaboration and reporting at the point of construction. BIM 360 Design connects distributed project teams, allowing them to collaborate on shared Revit models.

Tekla BIMsight

Tekla BIMsight: Tekla BIMsight is a professional tool for construction project collaboration. The entire construction workflow can combine their models, check for conflicts, and share information using an easy-to-use BIM environment.

Prepared By

Prof. S.V.Patil

Career Counselor

K.B.P.C.O.E.,Satara