



Exploring Autodesk Revit Structure 2014

By Prof. Sham Tickoo Purdue Univ.

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Exploring Autodesk Revit Structure 2014 textbook explains the concepts and principles of Revit Structure through practical examples, tutorials, and exercises. This enables the users to harness the power of BIM with Autodesk Revit Structure 2014 for their specific use. In this textbook, the author emphasizes on physical modeling, analytical modeling, rebar modeling, and quantity scheduling. Also, the textbook covers the various stages involved in analyzing the model in Robot Structural Analysis software. This textbook is specially meant for professionals and students in structural engineering, civil engineering, and allied fields in the building industry. In this textbook, special emphasis has been laid on the concepts of structural modeling and these concepts have been explained using relevant graphical examples and illustrations. In addition, the tutorials and exercises given in this textbook relate to the real-world projects and thus help you in understanding the usage and functionalities of the tools available in Autodesk Revit Structure. Moreover, the textbook has numerous tips mentioning alternative ways to perform a task, and the notes to make the concepts clear and give additional information.

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Editorial Review

About the Author

Prof. Sham Tickoo is currently working as a Professor at Purdue University Calumet, USA. He received MS in Industrial Technology (1989) from Northern Illinois University, Illinois, USA; and MS in Industrial and Management Engineering (1980) from University of Iowa, Iowa City, USA. Before joining Purdue University in 1987, Prof. Tickoo has worked as Design Engineer, Quality Control Engineer, and Software Developer. Prof. Tickoo has authored/coauthored textbooks on several major CAD/CAE/Animation software packages like SolidWorks, CATIA, Pro/Engineer, NX, AutoCAD, Customizing AutoCAD, AutoCAD LT, Solid Edge, 3ds Max, 3ds Max Design, Autodesk Inventor, Mechanical Desktop, and VIZ. In addition to North America, his textbooks have been translated and published in Russia, Japan, India, South Korea, and Serbia. These textbooks have brought unmatched pride and recognition to the Engineering Technology department and Purdue University. Prof. Tickoo has obtained over \$24 Million software grant from ANSYS, IBM, and Siemens. He has also developed a web site that provides free teaching and learning resources to faculty and students. Since 1992, over half a million users have visited his web site and are using the resources on a regular basis.

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