



Solidworks 2011 for Designers

Prof. Sham Tickoo Purdue Univ. and CADCIM Technologies

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Solidworks 2011 for Designers Prof. Sham Tickoo Purdue Univ. and CADCIM Technologies SolidWorks 2011 for Designers is a comprehensive textbook that introduces the users to SolidWorks, a feature-based 3D parametric solid modeling software. The textbook covers all major environments of SolidWorks and provides a thorough explanation of all tools, options, and their applications to create realworld products. About 55 mechanical engineering industry examples are used as tutorials and an additional 35 as exercises to ensure that the users can relate their knowledge and understand the design techniques used in the industry to design a product.

After reading the textbook, the users will be able to create parts, assemblies, drawing views with bill of materials, and learn the editing techniques that are essential to make a successful design. Also, in this textbook, the author emphasizes on the solid modeling techniques that improve the productivity and efficiency of the users.

Some of the Salient Features of this textbook are as follows:

Consists of 19 pedagogical sequenced chapters covering the Sketching, Modeling, Assembly, Drafting, Equations and Configurations, Blocks, Surface Modeling, and Sheet Metal environments in SolidWorks.

The first page of every chapter summarizes the topics that are covered in it.

Real-world projects and examples focusing on industry experience.

Step-by-step examples that guide the users through the learning process.

Additional information is provided throughout the textbook in the form of tips and notes.

Self-Evaluation test, review questions, and exercises are provided at the end of each chapter so that the users can assess their knowledge.

Free Teaching and Learning Resources

CADCIM Technologies provides the following Free Teaching and Learning Resources with this textbook:

Technical support for the study material discussed in the textbook.

Drawing files of the models used in illustrations, examples, and exercises

Customizable PowerPoint presentations of every chapter

Instructor guide that provides solutions to the review questions and exercises

Student projects to enhance the skills

Course outline listing the topics that will be covered in the basic and advanced classes

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