



SOLIDWORKS 2015 for Designers

Prof. Sham Tickoo Purdue Univ., and CAD/CIM Technologies

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SOLIDWORKS 2015 for Designers book is written to help the readers effectively use the modeling and assembly tools by utilizing the parametric and feature based approach of SOLIDWORKS 2015. This book provides detailed description of the tools that are commonly used in modeling, assembly, and sheet metal as well as in surfacing. The SOLIDWORKS 2015 for Designers book further elaborates on the procedure of generating the drawings of a model or assembly, which are used for documentation of a model or assembly.

Special emphasis has been laid on the introduction of concepts, which have been explained using text as well as graphical examples. The examples and tutorials used in this book ensure that the users can relate the information provided in this textbook with the practical industry designs.

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

Consists of 20 chapters that are organized in a pedagogical sequence

Tutorial approach to explain the concepts of SOLIDWORKS 2015

Detailed explanation of SOLIDWORKS 2015 tools

Summary on the first page of the topics covered in the chapter

Consists of hundreds of illustrations and a comprehensive coverage of SOLIDWORKS 2015 concepts and techniques

Step-by-step instructions that guide the users through the learning process

Emphasis on Why and How with explanation

Brief Table of Contents

Chapter 1: Introduction to SolidWorks 2015

Chapter 2: Drawing Sketches for Solid Models

Chapter 3: Editing and Modifying Sketches

Chapter 4: Adding Relations and Dimensions to Sketches

Chapter 5: Advanced Dimensioning Techniques and Base Feature Options

Chapter 6: Creating Reference Geometries

Chapter 7: Advanced Modeling Tools-I

Chapter 8: Advanced Modeling Tools-II

Chapter 9: Editing Features

Chapter 10: Advanced Modeling Tools-III

Chapter 11: Advanced Modeling Tools-IV

Chapter 12: Assembly Modeling-I

Chapter 13: Assembly Modeling-II

Chapter 14: Working with Drawing Views-I

Chapter 15: Working with Drawing Views-II
Chapter 16: Surface Modeling
Chapter 17: Working with Blocks
Chapter 18: Sheet Metal Design
Chapter 19: Equations, Configurations, and Library Features
Chapter 20: Motion Study
Student Projects
Index

Free Teaching and Learning Resources:

CADCIM Technologies provides the following free teaching and learning resources with this textbook:

- Technical support by contacting techsupport@cadcim.com
- Part files used in tutorials, exercises*, and illustrations
- Customizable PowerPoint Presentations of every chapter (For faculty only)
- Instructor Guide with solution to all review questions and instructions to create the models for exercises (For faculty only)
- Additional learning resources at <http://allaboutcadcam.blogspot.com> and youtube.com/cadcimtech (* For faculty only)

About the Authors:

CADCIM Technologies, Prof. Sham Tickoo of Purdue University Calumet, and the team of dedicated contributing authors at CADCIM Technologies are committed to bring you the best textbooks and free teaching and learning resources on Computer Aided Design and Manufacturing (CAD/CAM), Computer Programming and Applications, GIS, Civil, Animation and Visual Effects, and related technologies. We strive to be the first and the best. That is our promise and our goal.

Our team of authors consists of highly qualified and experienced animation and visual effects artists who have a strong academic and industrial background. They understand the needs of the students, the faculty, and the challenges the students face when they start working in industry. All our books have been structured in a way that facilitates teaching and learning, and also exposes students to real-world applications. The textbooks, apart from providing comprehensive study material, are well appreciated for the simplicity of content, clarity of style, and the in-depth coverage of the subject.

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