



Introduction to AutoCAD 2015 for Civil Engineering Applications

By Nighat Yasmin



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The main purpose of this book is to provide civil engineering students with a clear presentation of the theory of engineering graphics and the use of AutoCAD 2015. Each chapter starts with the chapter objectives followed by the introduction. The contents of each chapter are organized into well-defined sections that contain step-by-step instructions to carry out the AutoCAD commands. The drawings shown in this book are created using AutoCAD 2015 and Paint software.

Several improvements are made to the fifth edition. The most important improvement is the usage of the ribbon interface. The major contents of the book are based on the ribbon interface. A new chapter titled as AutoCAD 2015 Classics Interface is created to introduce the classic interface. The index is improved. The Chapter Suggested In-Class Activities provides in-class activities (or ICA). For some of the initial ICAs, it explains the drawing with the help of step-by-step instructions. Also, new problems are added to the homework chapter. Furthermore, the contents and the drawings of every chapter are improved.

Each chapter starts with the chapter objectives followed by the introduction. The bulleted objectives provide a general overview of the material covered. The contents of each chapter are organized into well-defined sections that contain detailed step-by-step instruction with graphical illustrations to carry out the AutoCAD commands.

This book has been categorized and ordered into ten parts:

- Introduction to AutoCAD 2015 ribbon interface
- Use of AutoCAD in land survey data plotting
- The use of AutoCAD in hydrology
- Transportation engineering and AutoCAD
- AutoCAD and architecture technology
- Introduction to working drawings
- Introduction to AutoCAD classics interface

- Suggested drawing problems
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