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Preface

Creo Parametric 1.0

Creo Parametric, developed by Parametric Technology Corporation, is a new technology in the series of Pro/ENGINEER. It provides a broad range of powerful and flexible CAD capabilities that can address even the most tedious design challenges. Being a parametric feature-based solid modeling tool, it not only integrates the 3D parametric features with 2D tools, but also assists in every design-through-manufacturing process. Based mainly on the feedback of the users of solid modeling, this software is remarkably user-friendly and allows you to be productive.

This solid modeling software allows you to easily import the standard format files with an amazing compatibility. The 2D drawing views of the components are automatically generated in the **Drawing** mode. Using this software, you can generate detailed, orthographic, isometric, auxiliary, and section views. Additionally, you can use any predefined drawing standard files for generating the drawing views. You can display the model dimensions in the drawing views or add reference dimensions whenever you want. The bidirectionally associative nature of this software ensures that any modification made in the model is automatically reflected in the drawing views. Similarly, any modification made in the dimensions of the drawing views is automatically updated in the model.

The **Creo Parametric 1.0 for Designers** textbook has been written to enable the readers to use the modeling power of Creo Parametric 1.0 effectively. The latest surfacing techniques like Freestyle and Style are explained in detail in this book. The textbook also covers the Sheetmetal module with the help of relevant examples and illustrations. The mechanical engineering industry examples and tutorials are used in this textbook to ensure that the users can relate the knowledge of this book with the actual mechanical industry designs. The salient features of this textbook are as follows:

- **Tutorial Approach**

The author has adopted the tutorial point-of-view and the learn-by-doing theme throughout the textbook. This approach guides the users through the process of creating the models in the tutorials.