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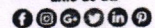


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Preface

My Dear Students,

I am extremely happy to come out with this edition of **Product Design and Development** for you, the Mechanical Engineering Students. This text book has been written strictly as per the New Syllabus prescribed by Savitribai Phule Pune University for Final year Mechanical Engineering.

Every kind of care has been taken to write the subject matter of each topic in simple and lucid manner. The subject is divided into small topics within the chapters has been arranged in a proper sequence to ensure smooth flow of the subject.

Each point is explained in depth with the help of neat and self explanatory sketches. So, I am sure that this book will meet all the minute requirements of the subject. Most of general questions that are asked in the university examination are widely covered while writing the book.

We present this book in the loving memory of **Late Shri Pradeepji Lunawat**, our source of inspiration and a strong foundation of "**TechKnowledge Publications**". He will always be remembered in our heart and motivate us to achieve our new milestone.

I am thankful to Mr. Shital Bhandari, Shri. Arunoday Kumar and Shri. Chandroday Kumar for the encouragement and support that they have extended. I am also thankful to the staff members of TechKnowledge Publications and others for their efforts to make this book as good as it is.


I have taken every possible effort to eliminate all the errors in this book. However if you find any, please let us know, because that will help me to improve further.

- Prof. Mandar M. Bidwe

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