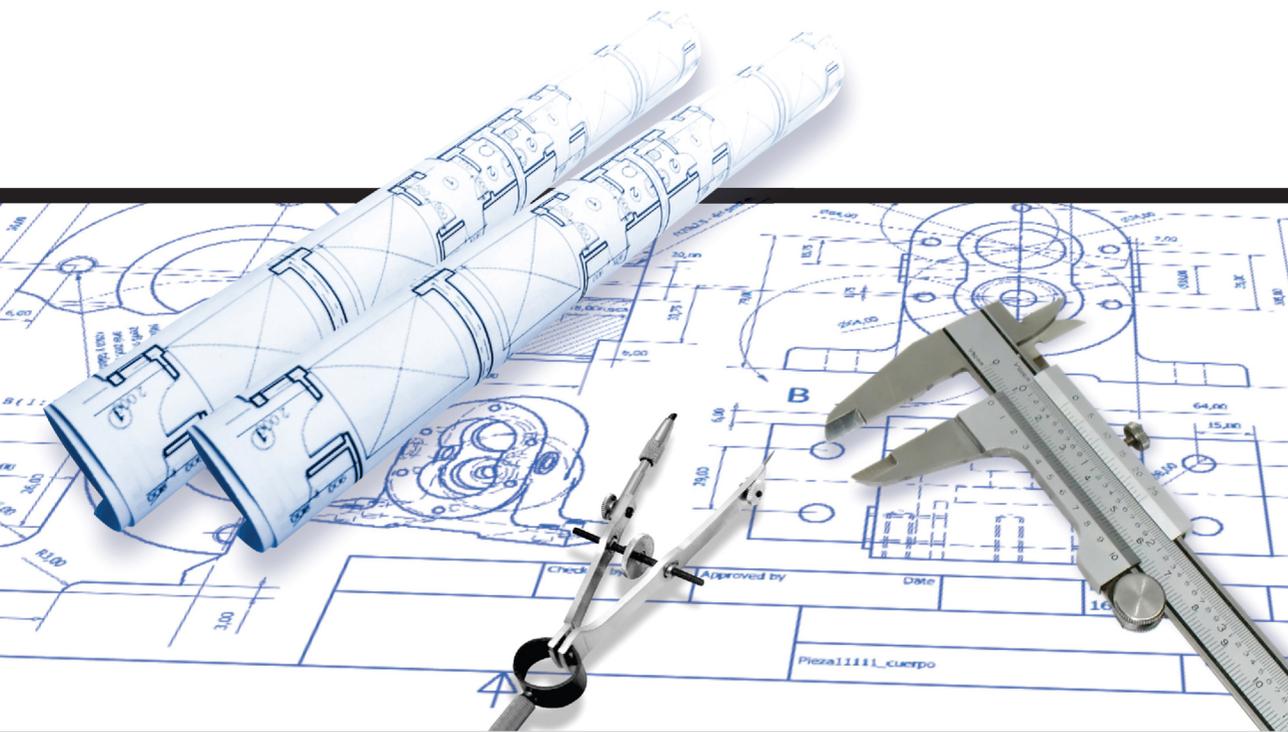




7th
Edition

ENGINEERING GRAPHICS

Using AutoCAD



T Jeyapoovan

**ENGINEERING GRAPHICS
USING
AUTOCAD**

ENGINEERING GRAPHICS USING AUTOCAD

[AN INTEGRATED APPROACH TO OUTCOME-BASED EDUCATION]

T Jeyapoovan

Professor

Department of Mechanical Engineering,
School of Mechanical Sciences,
Hindustan Institute of Technology and Science,
Padur, Chennai



VIKAS® PUBLISHING HOUSE PVT LTD



VIKAS® PUBLISHING HOUSE PVT LTD

E-28, Sector-8, Noida-201301 (UP) India

Phone: +91-120-4078900 • Fax: +91-120-4078999

Registered Office: 576, Masjid Road, Jangpura, New Delhi-110014. India

E-mail: helpline@vikaspublishing.com • Website: www.vikaspublishing.com

- **Ahmedabad** : 305, Grand Monarch, 100 ft, Shyamal Road, Near Seema Hall, Ahmedabad-380 051 • Ph. 079-65254204
- **Bengaluru** : First Floor, N.S. Bhawan, 4th Cross, 4th Main, Gandhi Nagar, Bengaluru-560009 • Ph. +91-80-22204639, 22281254
- **Chennai** : E-12, Nelson Chambers, 115, Nelson Manickam Road, Aminjikarai, Chennai -600029 • Ph. +91-44-23744547, 23746090
- **Hyderabad** : Aashray Mansion, Flat-G (G.F.), 3-6-361/8, Street No. 20, Himayath Nagar, Hyderabad-500029 • Ph. +91-40-23269992 • Fax. +91-40-23269993
- **Kolkata** : 6B, Rameshwar Shaw Road, Kolkata-700014 • Ph. 033-22897888
- **Mumbai** : 67/68, 3rd Floor, Aditya Industrial Estate, Chincholi Bunder, Behind Balaji International School & Evershine Mall, Malad (West), Mumbai-400064 • Ph. +91-22-28772545, 28768301
- **Patna** : Flat No. 101, Sri Ram Tower, Beside Chiraiyatand Over Bridge, Kankarbagh Main Road, Kankarbagh, Patna - 800 020, (Bihar)

ENGINEERING GRAPHICS USING AUTOCAD

ISBN: 978-93259-9234-4

Seventh Edition 2015

Vikas® is the registered trademark of Vikas Publishing House Pvt Ltd

Copyright © Vikas® Publishing House Pvt Ltd., 2005, 2010, 2015

All rights reserved. No part of this publication which is material protected by this copyright notice may be reproduced or transmitted or utilized or stored in any form or by any means now known or hereinafter invented, electronic, digital or mechanical, including photocopying, scanning, recording or by any information storage or retrieval system, without prior written permission from the publisher.

Information contained in this book has been published by VIKAS® Publishing House Pvt Ltd and has been obtained by its Authors from sources believed to be reliable and are correct to the best of their knowledge. However, the Publisher and its Authors shall in no event be liable for any errors, omissions or damages arising out of use of this information and specifically disclaim any implied warranties or merchantability or fitness for any particular use. Disputes if any are subject to Delhi Jurisdiction only.

Printed in India.

Dedicated
To My Parents

Foreword by Dr S Ramachandran

This book, Engineering Graphics using AutoCAD, is an enthusiastic hard work and outcome of teaching Engineering Graphics in a lucid manner by the author for more than 25 years. The chronological organization of problems in each chapter and excellent quality drawings using the latest technology would make this subject learning simple and interesting. The content of this book is focusing on the understanding of the problem and to develop thinking abilities in students. It contains numerous solved problems and excellent problem solving approaches which are easy to remember and can be applied easily by the students for exercises. Author has emphasized on outcome-based education to instill quality in learning process from the first semester onwards for all engineering students. Inclusion of previous years' university questions in solved problems and Assessment exercises will greatly help the students. The suggested lesson plan by the author will guide the young teachers to successfully complete the syllabus in the stipulated time. Also the short questions and multiple choice questions are handy for continuous assessment while learning this subject.

In brief, I am sure this book is an outstanding work for learning Engineering Graphics in a disciplined manner and steer the students in the right direction on outcome-based education. I congratulate Dr T Jeyapoovan for this extremely useful work, and wish him all success.

Dr S Ramachandran
Vice Chancellor
Hindustan University
Chennai-603 103

Foreword by G Maikandhan

The syllabus for the first year of engineering has been revised and here is a book that is written based on the new syllabus. One of the first things that attract everyone's attention is the excellent presentation. Anyone who goes through the book cannot miss the enormous work that has gone into its preparation. Teachers of Engineering Drawing will be able to realize that this is not a book prepared through cut-and-paste technique. The work is the extract of the knowledge gained by an experienced teacher who has been very successfully teaching this subject for more than 20 years with utmost devotion.

The language used throughout this book is simple and can be followed by students who have done their schooling through English or any other medium of instruction. This book has an extensive number of worked examples from university question papers which will be very useful to the students.

On the whole, this book exhibits thorough understanding of the subject by the author. I am sure the students will find this book useful for a clear understanding of the subject. I congratulate the author for bringing out a book of this kind and I'm sure that the author would be proud of his achievement.

G Maikandhan

Former Professor of Mechanical Engineering
Hindustan Institute of Technology and Science
Chennai-603 103

Preface to the Seventh Edition

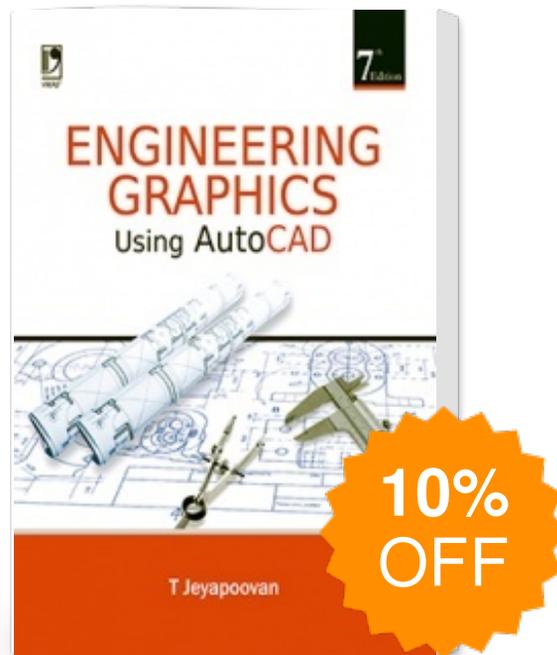
Learning is interesting when the outcomes from learning are measured after completion of learning of every new chapter. This book has been completely revised and integrated for **Outcome Based Education (OBE)** followed by all the universities. Lots of assessment tools in the form of Assessment Exercises and Short Questions like fill in the blanks and multiple choice questions (MCQ) have been added in all the chapters of this revised book.

The previous edition of this book, Engineering Graphics Using AutoCAD, had received overwhelming response from the students and teachers alike. This has encouraged me to bring out the seventh revised edition. In this edition, all the chapters have been thoroughly reviewed and revised in accordance with the latest syllabus of ANNA University. More example problems have been added in many chapters to make the learning clearer and easier. Also the drawings are updated in the latest version of AutoCAD software. The consequential drawing in all example problems shown in colour for better understanding.

I hope this book too, like its predecessor, will help students develop a strong background in Engineering Drawing and Graphics. Any suggestions for the improvement of the book are welcome. For any assistance and clarification or feedback, contact me through Email: jeyapoovan@gmail.com, www.facebook.com/jeyapoovan , www.twitter.com/jeyapoovan . Free downloads of additional learning materials, power point presentations and video lectures are available on my website www.EGlive.in .

T Jeyapoovan

Engineering Graphics Using Autocad



Publisher : SChand Publications ISBN : 9789325992344

Author : T. Jeyapoovan

Type the URL : <http://www.kopykitab.com/product/8057>



Get this eBook