

Technical Drawing With Engineering Graphics Ebook

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outline each topic's importance use visualization tips and theory detail section detailed well tested explanations of drawing techniques variations and examples organized into quick read sections numbered for easy reference cad at work section breakout pages offer tips on generating drawings from 2d or 3d models portfolio section examples of finished drawings show how techniques are applied in the real world key words italicized on first reference summarized after each chapter chapter summaries and review questions efficiently reinforce learning exercises outstanding problem sets with updated exercises including parts assembly drawings from cad models sketching problems and orthographic projections

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this self contained comprehensive book has been written to cover almost all important topics on engineering drawing to introduce polytechnic and undergraduate students of engineering to the standards and convention of technical drawing initial chapters of the book cover basics of line work engineering scales engineering curves and dimensioning practices in the next stage fundamental principles of projection are discussed in detail subsequent chapters cover topics on orthographic projections of points lines planes and solids first angle projections have been adopted throughout the chapters covering orthographic projection with a strong emphasis on creating accurate and clear drawings a chapter on autocad software is also included in the book the chapter is organized such that it describes the application of the software presenting and applying these standards more importantly all the elaborations of the software are alone making use of screen captures taken from the autocad screen so that a novice user will be able to understand its application easily a large number of solved examples with detailed steps examining methods for solving them have been incorporated to help students solve the unsolved problems

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