



Elements of Civil Engineering and Engineering Mechanics, Second Edition

By Ganesh B. Mogaveer, M.N. Shesha Prakash

PHI Learning, 2011. Softcover. Book Condition: New. 2nd edition. This book, in its second edition, continues to focus on the basics of Civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas (as needed by them in the beginning of their engineering education). A basic undergraduate textbook for the first-year students of all branches of engineering, this book is specifically designed to conform to the syllabus of Visvesvaraya Technological University (VTU). Imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings, roads, highways, dams and bridges, the second edition covers the engineering mechanics portion in nine chapters, including a new chapter on Trusses. Each chapter introduces the concepts to the reader, stepwise. Providing a wealth of practice examples, the book emphasizes the importance of building strong analytical skills. Practice problems, at the end of each chapter, give students an opportunity to absorb concepts and hone their problem-solving skills. The book comes with a companion CD containing the software developed using MS-Excel, to work out the problems on Forces, Centroid, Friction and Moment of Inertia. The use of this software will enable the...



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