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Textbook Series for Diploma in Engineering (CTEVT), First Year/Second Semester



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A Textbook of APPLIED MECHANICS

Dr. Hari Ram Parajuli
Dr. Sudan Neupane

Based on the New Curriculum of Applied Mechanics (EG 2102 CE), CTEVT 2079



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For Diploma in Engineering

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Dr. Hari Ram Parajuli

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Applied Mechanics (SI Units) Khurmi R.S. & Khurmi N., 1977 This book presents the concepts of Applied Mechanics in a concise compact and lucid manner Beginning with an introduction to the subject this book discusses the force systems composition of forces resolution of a force laws of forces moments and their applications parallel forces and couples equilibrium of forces free body diagrams Lami's theorem and equations of static equilibrium and support reactions Furthermore it deals with centroid and moment of inertia and principles and applications of friction Besides the book describes principles of lifting machines and simple lifting machines It also discusses kinematics of particle and rigid body and kinetics of particle and trusses *Polytechnic Applied Mechanics* H. L. Agrawal, 1962 **A Textbook of Applied Mechanics** I. B. Prasad, 1988 **Applied Mechanics for Engineering and Technical Courses** Harbhajan Singh, 2021-05-20 the book includes all the topics as made mandatory by AICTE for all engineering and diploma level courses the contents of the book are Introduction to mechanics Laws of Forces Movements Friction Centre of Gravity Simple Lifting machines and Moment of Inertia Applied Mechanics Reviews , 1970

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