



## Robotics

By Appuu Kuttan K.K.

I.K. International Publishing House Pvt. Ltd., 2007. Paperback. Book Condition: New. 18cm x 24cm. Robotics is an applied engineering science that has been referred to as a combination of machine tool technology and computer science. It includes diverse fields such as machine design, control theory, microelectronics, computer programming, artificial intelligence, human factors and production theory. The present book provides a comprehensive introduction to robotics. The book covers a fair amount of kinematics and dynamics of the robots. It also covers the sensors and actuators used in robotics system. This book will be useful for mechanical, electrical, electronics and computer engineering students. Key Features: Latest technological developments in robotics: ò Robotic classifications, robot programming, robotic sensors and actuators, ò Kinematics and dynamic analysis of the Robot, ò Modular systems in robotics. Advances in Robotics systems: ò Fuzzy logic control in Robotic systems, ò Biped robot, ò Bio-mimetic robot, ò Robot safety and layout, ò Robot calibration. Numerical examples Relative merits and demerits of different robot systems.



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