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including robotic sensing, actuation, programming, motion control, and kinematic analysis of robotic manipulators. To begin with, the book prepares you with the basic foundational knowledge that assists you in understanding the basic concepts of robotics. It helps you to

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understand key elements of robotic systems, including various actuators, sensors, and different vision systems. It explains the actual physics that robotic systems work upon such as trajectory planning and motion control of manipulators. It covers

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the kinematics and dynamics of multi-body systems while you learn to develop a robotic model. Various programming techniques and control systems have practically been demonstrated that guide you to reverse engineer, reprogram and troubleshoot some existing simple robots.

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You will also get a
practical

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demonstration of how
your robots can
become smart and
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image processing
techniques illustrated
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this book, you will gain
a solid foundation of
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techniques that are
used for robotic
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