



## Robotic Vehicle

By Sanket Tajane

LAP Lambert Academic Publishing Dez 2011, 2011. Taschenbuch. Condition: Neu. Neuware - Whenever wherever there is requirement of automatic controlled mission to be achieved which can not be done by using human resources,  $\mu$ C Based PC Controlled Automatic Intelligent Robot is the only solution for that. As the name suggests this is a robot powered by  $\mu$ C and controlled by PC through Serial Port. The intelligence lies in its motion. This robot can send visual images to PC with the help of a Web Camera mounted on its surface and the software will process it for obstacle detection and command generation for the robot. It will make its own way among various obstacles or it will follow line depending on mode chosen. Apart from the above mentioned automatic mode we have also implemented manual mode for the real time operation. The project is divided into two parts Software & Hardware. The complete system is controlled by a PC with the help of software developed in VB6. The software will give flexibility in all the modes. The software will start transmitting commands to the microcontroller unit And the hardware part is further divided into two hardware units-PC Transmitter Unit & Robot Receiver. 88 pp. Englisch.



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