NPTEL Video Course - Mechanical Engineering - Robotics

Subject Co-ordinator - Prof. P. Seshu, Prof. P.S. Gandhi, Prof. K. Kurien Issac, Prof. B. Seth, Prof. C. Amar

Co-ordinating Institute - IIT - Bombay

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Robotics
Lecture 2 - Technologies in Robots
Lecture 3 - Industrial Robots
Lecture 4 - Industrial Manipulators and its Kinematics
Lecture 5 - Parallel Manipulators
Lecture 6 - Grippers manipulators
Lecture 7 - Electric Actuators
Lecture 8 - Actuators - Electric, Hydraulic, Pneumatic
Lecture 9 - Internal State Sensors
Lecture 10 - Internal State Sensors
Lecture 11 - External State Sensors
Lecture 12 - Trajectory planning
Lecture 13 - Trajectory planning
Lecture 14 - Trajectory planning
Lecture 15 - Trajectory planning
Lecture 16 - Trajectory planning
Lecture 17 - Trajectory planning
Lecture 18 - Trajectory planning
Lecture 19 - Trajectory planning
Lecture 20 - Forward Position Control
Lecture 21 - Inverse Problem
Lecture 22 - Velocity Analysis
Lecture 23 - Velocity Analysis
Lecture 24 - Dynamic Analysis
Lecture 25 - Image Processing
Lecture 26 - Image Processing
Lecture 27 - Image Processing
Lecture 28 - Image Processing
Lecture 29 - Image Processing

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

```
Lecture 30 - Image Processing
Lecture 31 - Robot Dynamics and Control
Lecture 32 - Robot Dynamics and Control
Lecture 33 - Robot Dynamics and Control
Lecture 34 - Robot Dynamics and Control
Lecture 35 - Robot Dynamics and Control
Lecture 36 - Robot Dynamics and Control
Lecture 37 - Futuristic Topics in Robotics
Lecture 38 - Robot Dynamic and Control-Case Studies
Lecture 39 - Robot Dynamic and Control-Case Studies
Lecture 40 - Futuristic Topics in Robotics
```

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in