



INTERNATIONAL
AI
DRIVING LICENSE

Robotics

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Robotics

Electro-mechanical machines or virtual agents that automate, augment or assist human activities, autonomously or according to a set of instructions – often a computer program.

Course Outline:

Chapter (1) Introduction

- What is Robotics?
- About Robotics
- Definition of robots
- Fundamentals of Robotics

Chapter (2) Robotics History

Chapter (3) Era of Industrial Devices

- Basics of Robotics
- Uses of robots

Chapter (4) Components of Robots

- Basic Parts of Robots
- Types of Robots

Chapter (5) Robotics in Artificial Intelligence

- Programming Languages

Chapter (6) Robotics in ML & DL

- Robotic in Machine Learning
- Robotics in Deep Learning

Chapter (7) Robots at Home

- SANBOT
- Future of Robots

Chapter (7) Robotics Technologies

- Algorithms and Software

Summary

Appendixes

- UiPath
- Programming of Robots (ROS)