COURSE DETAIL

MOBILE ROBOTICS
Country Singapore
Host Institution Singapore University of Technology and Design
Program(s) Singapore University of Technology and Design
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 140
UCEAP Course Suffix
UCEAP Official Title MOBILE ROBOTICS
UCEAP Transcript Title MOBILE ROBOTICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This introductory course on intelligent robots and systems is at the intersection of machine learning, artificial intelligence, computer vision and control theory. Students learn the fundamentals of developing systems which can sense, plan and act in the world based on various topics from the domains. Emphasis is on algorithm design, probabilistic reasoning, decision making under uncertainty and learning to improve behaviors using data. The course requires students to take prerequisites.

Language(s) of Instruction
English

Host Institution Course Number
50.047

Host Institution Course Title
MOBILE ROBOTICS

Host Institution Course Details
https://www.sutd.edu.sg/course/50-047-mobile-robotics/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Information Systems and Technology Design

Course Last Reviewed
2025-2026

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