Artificial Intelligence

Mathematical and computer science Dep.

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Subject : Home Work 1
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Semester : Fall 2025
Deadline : 24 mehr

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1 - For each of the following activities, give a PEAS description of the task.

• Performing a gymnastics floor routine.
• Exploring the subsurface oceans of Titan.
• Playing soccer.
• Shopping for used AI books on the Internet.
• Practicing tennis against a wall.
• Performing a high jump.
• Bidding on an item at an auction

2 - For each of the following agents, give a PEAS description of the task.

• Delivery Drone
• Medical Diagnosis System
• Recommendation System
• Stock Trading Agent
• Chess Playing Agent
• Robotic Surgery Assistant
• Machine Translation Service
• Manufacturing Assembly Robot
• Museum Guide Robot

3 - For each of the following agents ,characterize environment in terms of the properties listed in Section 2.3.2.

• Delivery Drone
• Medical Diagnosis System
• Stock Trading Agent
• Chess Playing Agent
• Robotic Surgery Assistant
• Manufacturing Assembly Robot
• Museum Guide Robot
• Autonomous Mars rover