CADT

Cambodia Academy of Digital Technology

Introduction to Artificial Intelligence

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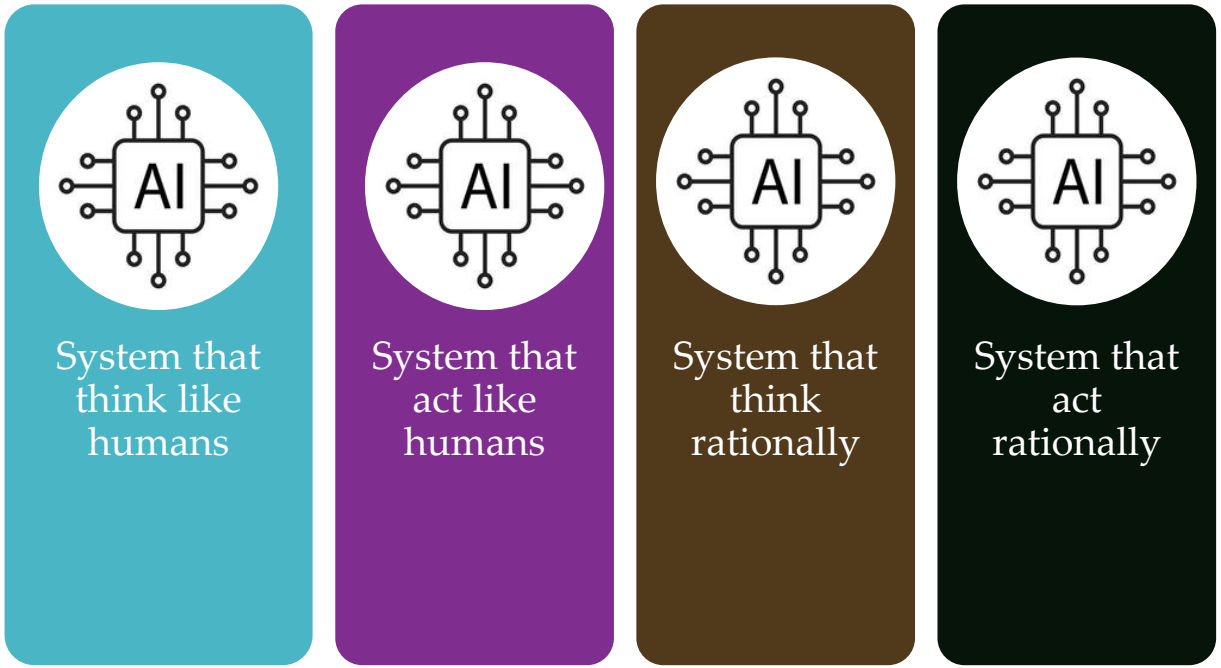
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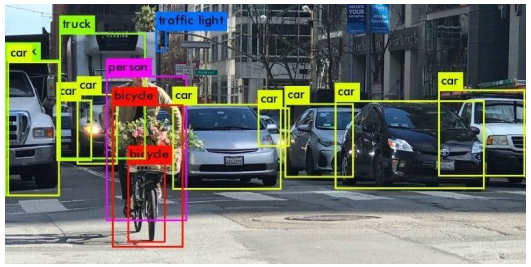
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What is Artificial Intelligence (AI)?

- **Artificial Intelligence:** is a field of study to design systems that machines simulate or mimic human cognitive abilities.



Applications of Artificial Intelligence

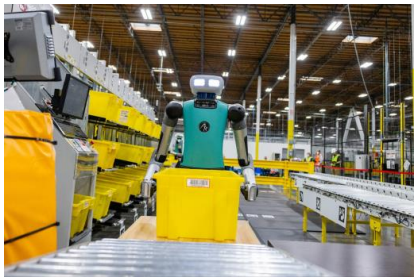


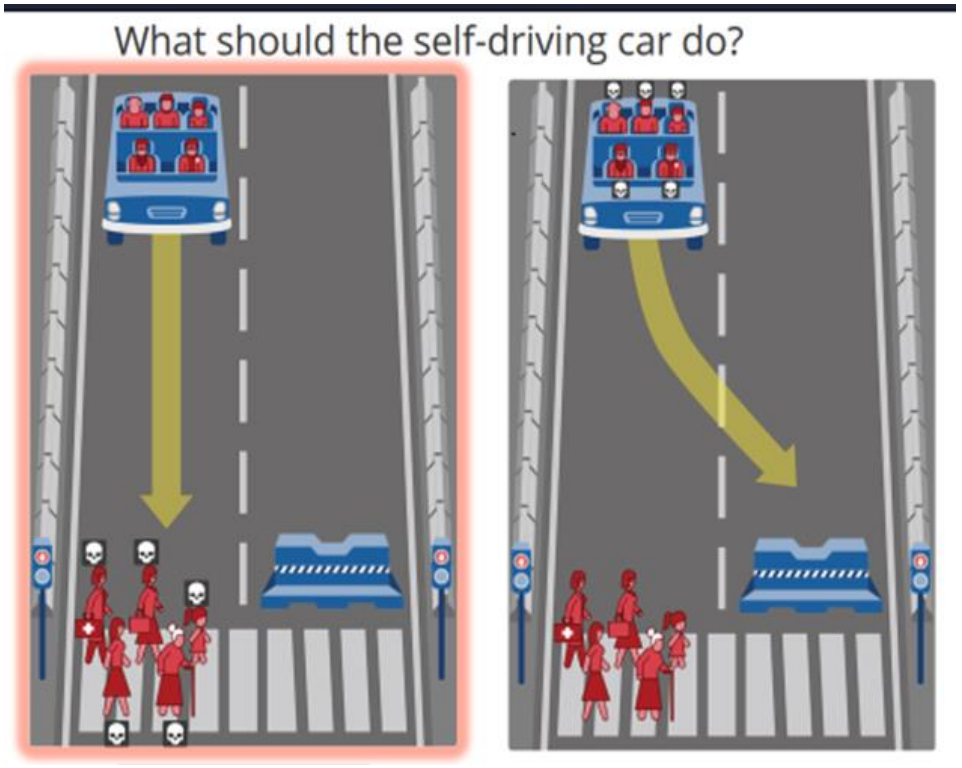










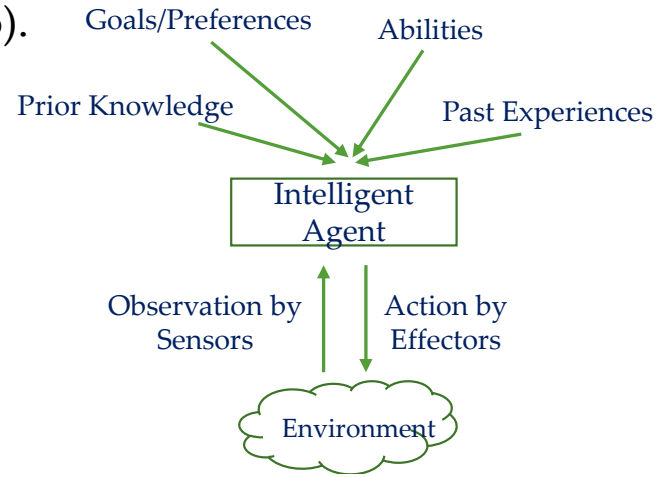

What should the self-driving car do?

Intelligent Agents

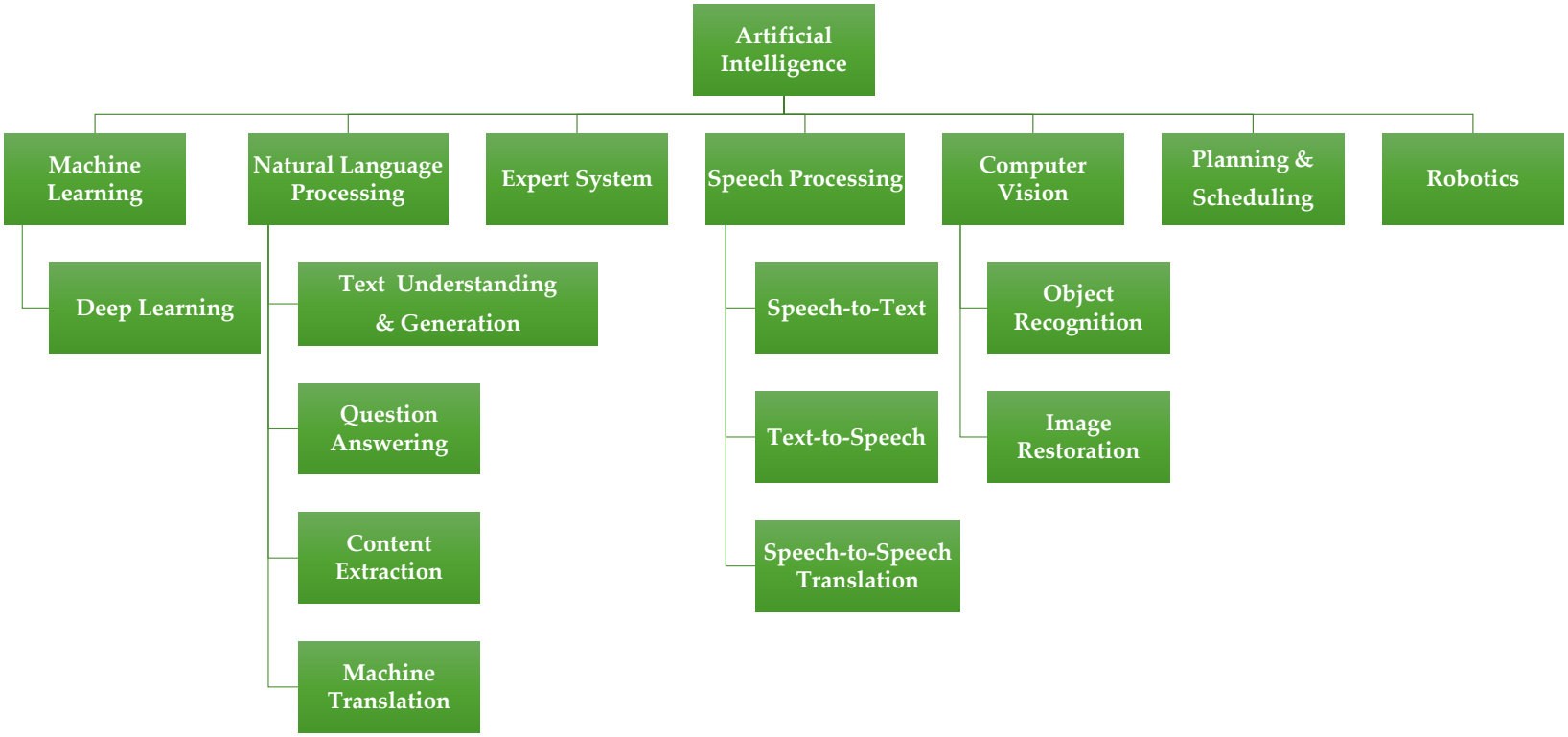
AI researchers in Computer Science go for acting rationally over other approaches because:

- It is more general than ”laws of thought” approach because correct inference is just one of several possible mechanisms for achieving rationality.
- It is more feasible for scientific development than approaches based on human behavior or human thought and human does not always act/think rationally.

Thus, AI is though as a field combining sciences and engineering devoted to build **intelligent agents** that perceive environment and act so as to achieve the best outcome, or when there is uncertainty, the best expected outcome (Russell and Norvig, 2016).



Fields of Artificial Intelligence



Types of Artificial Intelligence

