Al-Rasheed University College
Dept. of Computer Tech. Engineering

Third Class

Artificial intelligence and expert system AIES390

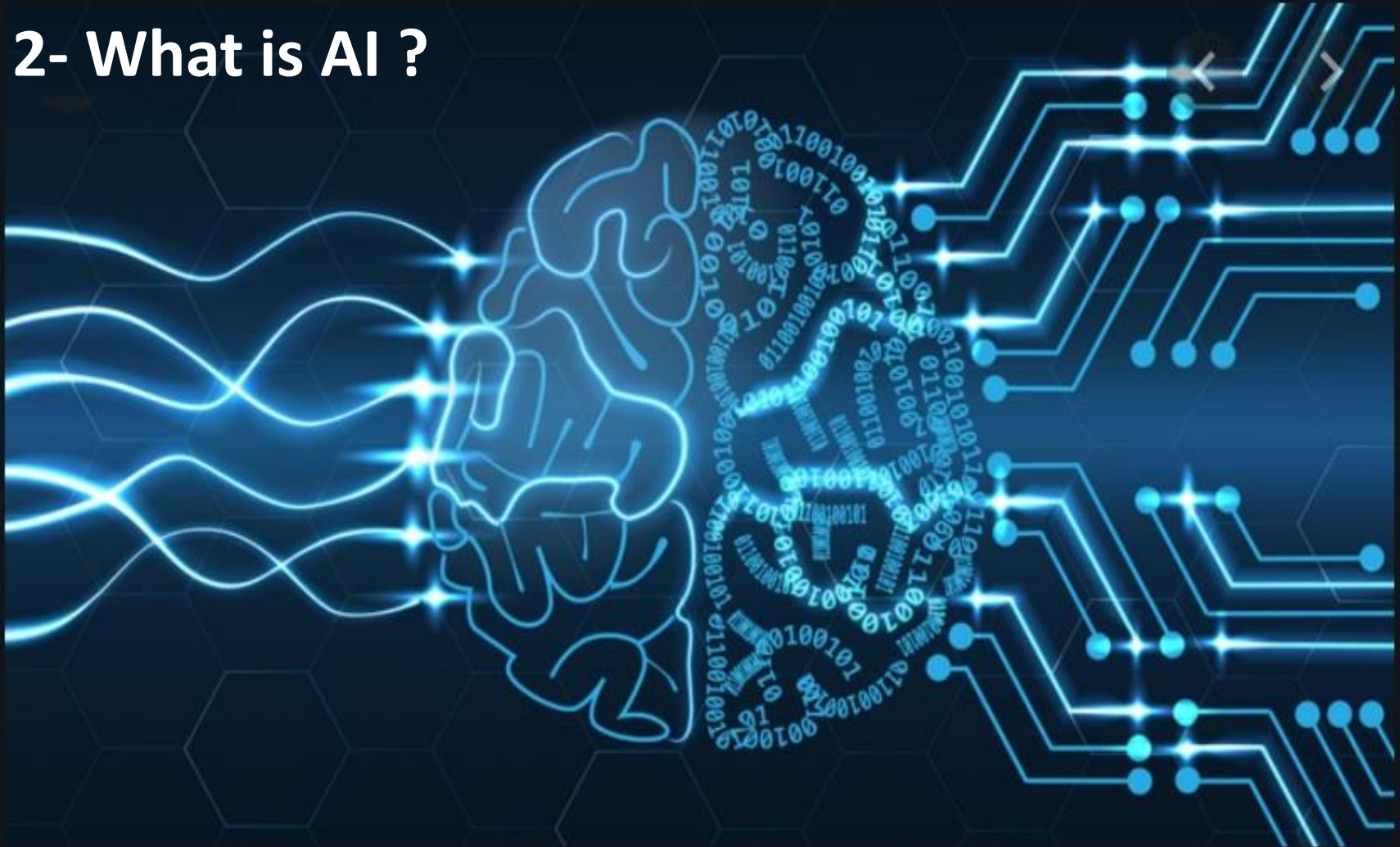Assist. Lecturer   *Mohemmed Fadhil Abbas*

Second Lecture

1- Introduction

2- What is AI ?

1- Introduction

AI is one of the newest fields in science and engineering. Work started in earnest soon after World War II, and the name itself was coined in 1956

The field of artificial intelligence, or AI, goes further still: it attempts not just to understand but also to build intelligent entities

Thinking Humanly	Thinking Rationally
"The exciting new effort to make computers think … *machines with minds*, in the full and literal sense." (Haugeland, 1985) "[The automation of] activities that we associate with human thinking, activities such as decision-making, problem solving, learning …" (Bellman, 1978)	"The study of mental faculties through the use of computational models." (Charniak and McDermott, 1985) "The study of the computations that make it possible to perceive, reason, and act." (Winston, 1992)
Acting Humanly	**Acting Rationally**
"The art of creating machines that perform functions that require intelligence when performed by people." (Kurzweil, 1990) "The study of how to make computers do things at which, at the moment, people are better." (Rich and Knight, 1991)	"Computational Intelligence is the study of the design of intelligent agents." (Poole *et al.*, 1998) "AI …is concerned with intelligent behavior in artifacts." (Nilsson, 1998)

Some definitions of artificial intelligence, organized into four categories.

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