

**Habib University**  
**CSE 351 - Artificial Intelligence**  
**Fall' 2022**  
**Assignment 04: AI – Strength and Storms**

### Objective:

The objective of this assignment is to make students know and appreciate prominent figures in the history of AI and their pioneering work that has laid the foundation of this field. Students will also understand the context of AI by looking into the past, present and future of AI through the lens of renowned AI scientists of the current era.

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### Q1 – [20 points] The One Hundred Study on AI

You will find online a detailed study report on '[The One Hundred Year Study on Artificial Intelligence \(AI100\)](#)' published by Stanford University. This study was conducted by a standing committee that involved renowned scientists in the field of AI who have provided their insiders' perspective on twelve different study questions. You are required to go over this report and express your opinion on the following questions:

- 1) Which event, in the history of AI, has been the most ground-breaking?
- 2) What are the most promising opportunities for AI?
- 3) What are the most pressing dangers of AI?
- 4) How much have we progressed in understanding the key mysteries of human intelligence?
- 5) How do you see AI transforming the society in positive or negative ways? Discuss.

**Q2 – [20 points]** Do some research to familiarize yourself with prominent scientists in the history of AI. You are required to describe the role of any four of the following scientists and their key contribution in pioneering the field.

- a) Alan Turing
- b) John McCarthy
- c) Marvin Minsky
- d) Raymond Kurzweil
- e) Warren McCulloch
- f) Judea Pearl

*Note: Writing on more than four of them would earn you some bonus marks that you can use to compensate points lost in other assignments.*

Your answers will be assessed based on *clarity, conciseness, and thoughtfulness*.

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### Submission Instructions

The assignment will be done individually. Submissions will be made on Canvas by the due date. The submitted file should be a pdf file answering both of these questions.