

Data Science & Artificial Intelligence

Enrichment programs are one of the most important global methods used to enrich the knowledge of gifted students. From this point of view, Mawhiba has designed specialized scientific enrichment units representing 75% of the program, enriching students' knowledge and experiences and challenging their abilities in a number of scientific fields, in cooperation with the best international expert houses in the field of Talent and creativity, provided with progressive levels of knowledge; With the aim of continuing to build quality cumulative scientific experiences, which increase in depth and diversity as students progress in participation year after year.

As well as for the importance of the skill aspect, Mawhiba allocated 25% of the summer enrichment program, and therefore a set of skill bags were designed that are concerned with building the basic and important life skills of gifted students, which contribute to the development of personal, social and innovative skills that keep pace with the skills of the twenty-first century such as future vision and digital security. leadership, social influence and other skills .

What is the Probability and Data interpretation unit?

This unit focus on the relationship between artificial intelligence, data and computer science by studying basic concepts in programming, system implementation, machine learning and data processing on a large scale.

Unit objectives

students shall learn how to design, manufacture, and evaluate smart systems through conducting scientific activities that train them to solve problems from experiments that occurred, and how to use computer science in dealing with data and understand the consequences that may result on society because of misuse. They will explore future jobs that suit them if they continue to study this field, they will explore concepts and algorithms through Python software.

At the end of the unit, students are expected to demonstrate experience in sources used in computer programs (Computer Library) associated with machine learning and knowledge of artificial intelligence principles, and that students shall be able to design their own simplified intelligent systems.

The skills that students will acquire

Students will be able to build and develop basic skills, such as “teamwork, problem solving, reading and analyzing scientific literature, demonstrating understanding through oral and written communication, in addition to a number of targeted skills, which are provided through training packages appropriate to the age group, provided by Specialized and trained staff, including:

- Future vision.
- Digital security.
- Leadership and social influence.

Program components

- A specialized enrichment scientific unit.
- Practical activities and scientific projects.
- Skill activities.