



# Faculty of Arts & Design

---



## **Designing shaded waiting benches on campus**

### **Participants Students:**

- Mahmoud Abdel Basset
- Khloud Tarek
- Arwa Abdel Kader
- 

### **Under Supervision of:**

- **Dr. Amira Hamdy El. Sayed**
- **Dr. Salma Youssef Karar**

### **❖ Introduction:**

Universities with open spaces need seating areas for students and visitors within the campus square. These seatings must be shaded to provide protection and shelter to users from weather fluctuations, whether intense sunlight or rain especially after COVID19 pandemic regarding applying the precautionary measures and keeping the social distance. From here came the idea of the project where it presents a design proposal for a shaded waiting bench on Campus based on meeting the aesthetic appeal and functional needs to design a visual content befitting the identity of Pharos University in Alexandria.

### **Project Summary:**

#### **❖ Project Idea:**

The project main idea lies in re-thinking the campus square that holds the CIB bank and all the university faculties, through introducing a design proposal of shaded waiting benches that provides protection and shelter to users from intense sunlight or rain, provided with several fixed side tables, which can be used in writing or for using students laptops provided with several electric sources where some students can join their on line lectures during their semesters.

#### **❖ Project Phases:**

- Designing shaded waiting seating units in the campus square with a contemporary vision that provides protection and shelter to users from weather fluctuations, whether intense sunlight or rain instead of jamming under the faculties' entrance and atrium.
- Designing a complete integrated designed unit that is convenient for student to use within their online lecture's using their mobile phones or laptops or waiting between lectures, providing it with some fixed side tables and electrical sources to use.
- Introducing the specialization of Decor Department at the Faculty of Arts and



Design, Pharos University to civil institutions.

- Enhance the capabilities of Egyptian youth in the field of specialty and relatively meeting the market needs.
- Encourage the student to progress in such competitions initiated to enhance the competitive ability within the field of environmental furniture design.

❖ Project Studies:

**First: The theoretical and practical study within the course contents**

Theoretical study of the project concerns with studying the concept of the shaded design unit proposal in addition to study the importance of furniture design to meet users' needs even relevant to aid local society and environment. This is addressed through main points:

- 1- The student's selection to the most convenient furniture design according to the vision and needs of the University Students and Visitors.
- 2- Developing the idea of the design through different sketches to reach the final idea selected.
- 3- Determining the specifications of the shaded waiting benches and the availability to repeat it on campus square within suitable circulations between them.
- 4- Preparing the structural drawings of the furniture design needed to perform the design proposal.

**Second: The practical study through simulation and availability to perform the Design Proposal:**

The practical study for the design proposal of the shaded waiting bench on campus concerns:

- 1- Studying the suggested materials and fixation techniques of the design proposal on campus.
- 2- Mass planning for the campus student square relative to the shaded bench repetition.
- 3- Simulation, through computer aided programs by placing the designed proposal in the campus square with the planned vision to study its suitability on the university campus to suit the objectives of the project.