



Cover page

Project title: **CNC Drawing Machine**

Academic Year: **2022 - 2023**

Group Members: **Murad Farhat (11820344)**

Department Name: **Computer Engineering**

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Project Type **Hardware**

Supervisor Name: **Dr. Hanal Abu Zant**

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



Project's Abstract:

Our project is a CNC drawing machine that allows the user to draw what he wants in different sizes automatically or manually, as it is possible to switch between the manual system and the automatic system by phone via Wi-Fi or Bluetooth.

In the automatic system, the desired drawing can be drawn through the computer programs automatically without any user intervention in different sizes by specifying the required size for the drawing.

In the manual system, the user can control the movement of drawing the machine by phone via Bluetooth or Wi-Fi, and by drawing manually through the gyroscope sensor, where the machine imitates the movement of the user's hand while drawing.

The manual drawing system also contains the ability to save the drawing so that the machine can redraw the drawing that the user drew manually again because the machine saves the drawing after completing the drawing.

All these characteristics will make it easier for the user to draw through the machine in the sizes he wants, and this adds an aesthetic advantage to the project.