Cover page

Project Title: Sustainability analysis -best practices development and improvement

Academic Year: 2024- 2025

Department Name: Industrial Engineering

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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:

Due to rapid global development and substantial population growth, there is an urgent need for a clean and sustainable way of living. Sustainability, defined as 'what can be maintained over time,' is based on three pillars: economic, social, and environmental. The economic pillar aims for sustainable economic growth, while the social pillar highlights the importance of social justice and improving the quality of life. Meanwhile, the environmental pillar focuses on protecting our natural resources. Since the 1970s, these ideas have become increasingly important worldwide, influencing a wide range of industries. In this light, the food sector, especially cake factories, stands out as a great example of how sustainable practices can be effectively put into action.

This project aims to conduct a sustainability analysis in the food sector in Palestine, with a focus on the 'Piece of Cake' factory. The analysis will evaluate the factory's current sustainability practices, examining resource usage, waste management, and the sourcing of materials. By identifying strengths and weaknesses in these areas, the project will explore strategies to enhance the factory's environmental, social, and economic performance. The methodology involves identifying key sustainability aspects, developing improvement strategies, evaluating their effectiveness, implementing them in practice, and reviewing the outcomes for further enhancement. Notably, this project has not been previously proposed or applied to this particular industrial sector within the department, making it a unique contribution.