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## Cover page

Project title: AutoPizza.

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Group Members: Fana Abdul Rahim Yamk.

Department Name: Computer Engineering.

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Project Type: Hardware .

Supervisor Name: Dr. Loai Malhis.





## Project's Abstract:

In response to the increasing demand for convenient and personalized food options, particularly in the case of pizza as a popular fast food choice, our idea is to develop a user-friendly and customizable pizza station. By leveraging technology, our pizza station aims to simplify and automate the pizza-making process, making it faster and more accurate. Whether it's for special events or quick hunger cravings since traditional methods often fall short in terms of speed and customization. Our pizza station presents a straightforward solution to the issue of limited options. Its user-friendly interface allows customers to customize their pizzas effortlessly based on their preferences. Moreover, our station boasts a reasonable size that allows for easy placement in various settings, without occupying excessive space like those found in factories

Our pizza station takes a step-by-step approach to pizza-making. The process starts with the use of pre-prepared dough or bread, sourced externally. Once the user specifies their desired pizza options, the pizza goes through different stations tailored to their selections. Finally, it enters the oven and emerges as a delicious, ready-to-eat pie, and notifies the user for it. Our station is carefully designed to minimize waste by efficiently using the necessary ingredients and preserving excess components for future use. This approach not only optimizes the pizza-making process but also aligns with our commitment to environmentally conscious practices. To ensure uninterrupted operations, the machine is equipped with a component tracking system that monitors the availability of ingredients. When a specific component runs out, the system automatically sends a notification to the administrator, prompting them to refill the depleted item. This feature ensures a continuous supply of ingredients for pizza production.