



Delicious Pizza for Everyone!

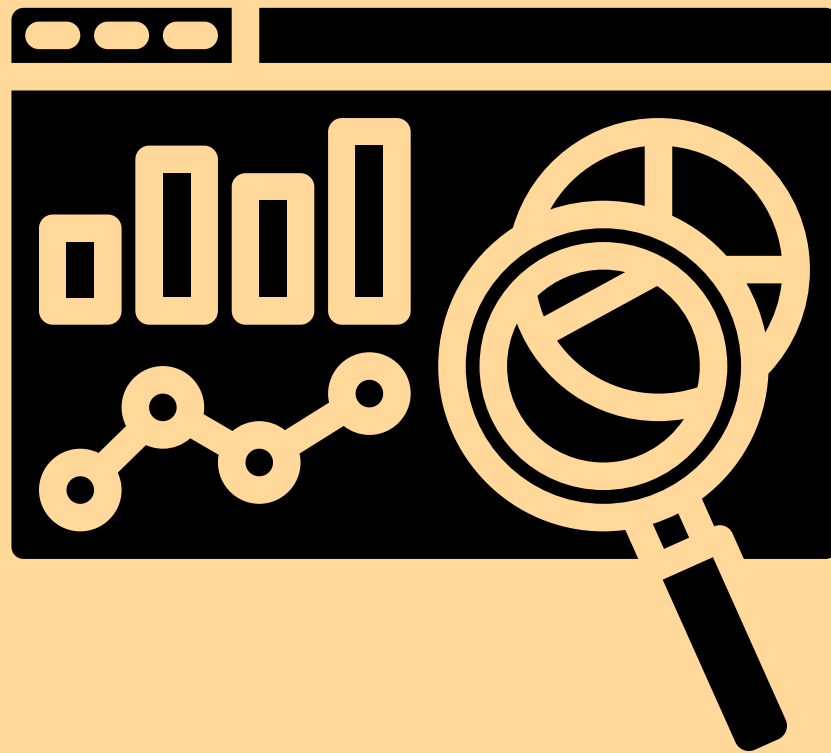


FANAN SHAHD

Dr, Luai malhis



Factors



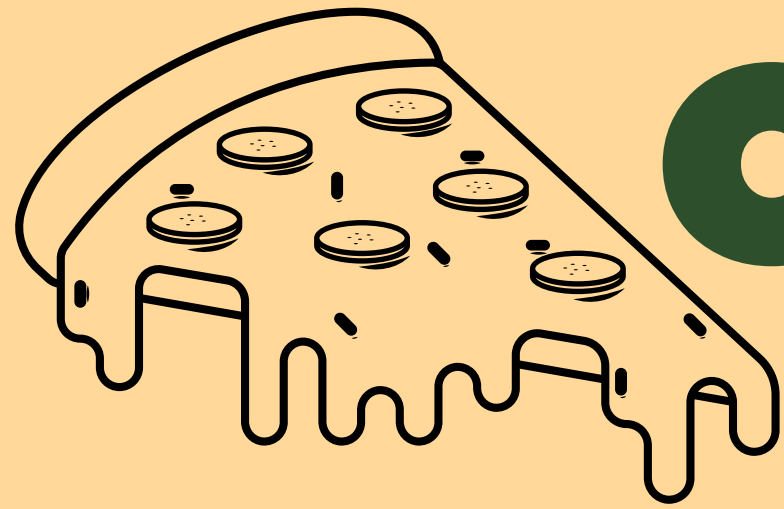
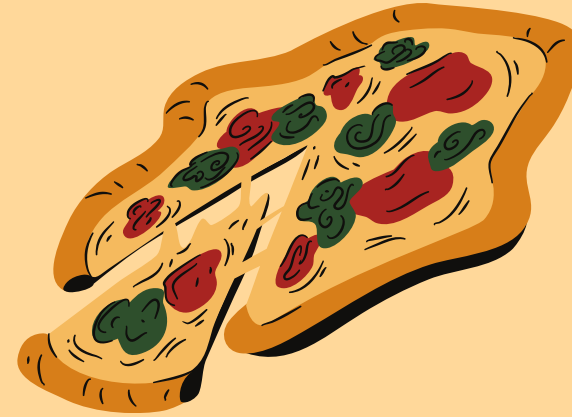
MARKET DEMAND



**CULINARY TRENDS &
USER EXPERIENCE**



**SUSTAINABILITY AND
WASTE REDUCTION**



Our Solution

AUTO PIZZA

The project offers a user-friendly pizza station, streamlining customization and convenience. It ensures efficient, tailored pizza-making, reducing waste and meeting time-sensitive demands. With space-efficient design and ingredient tracking, it provides uninterrupted operations and high-quality results.

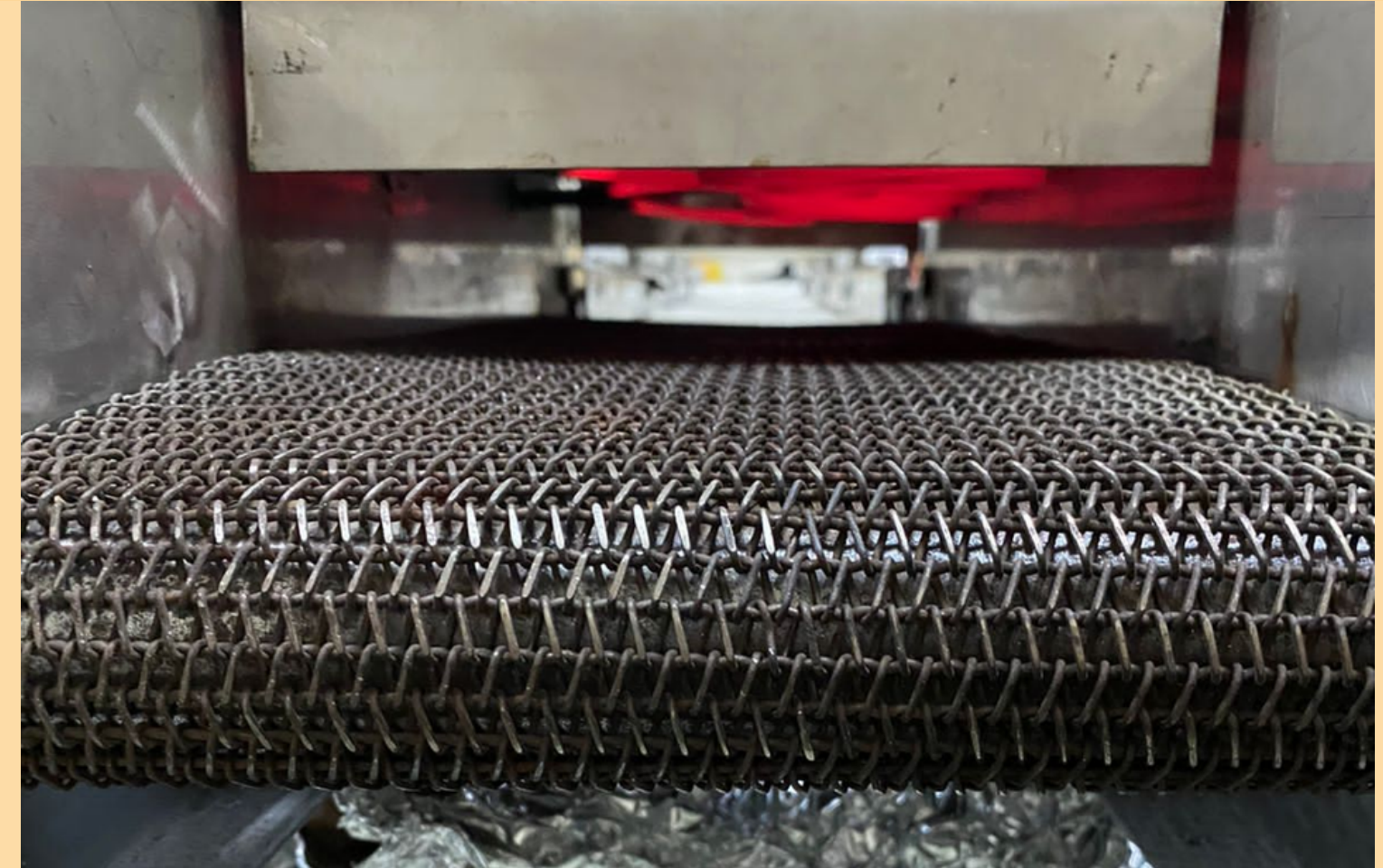
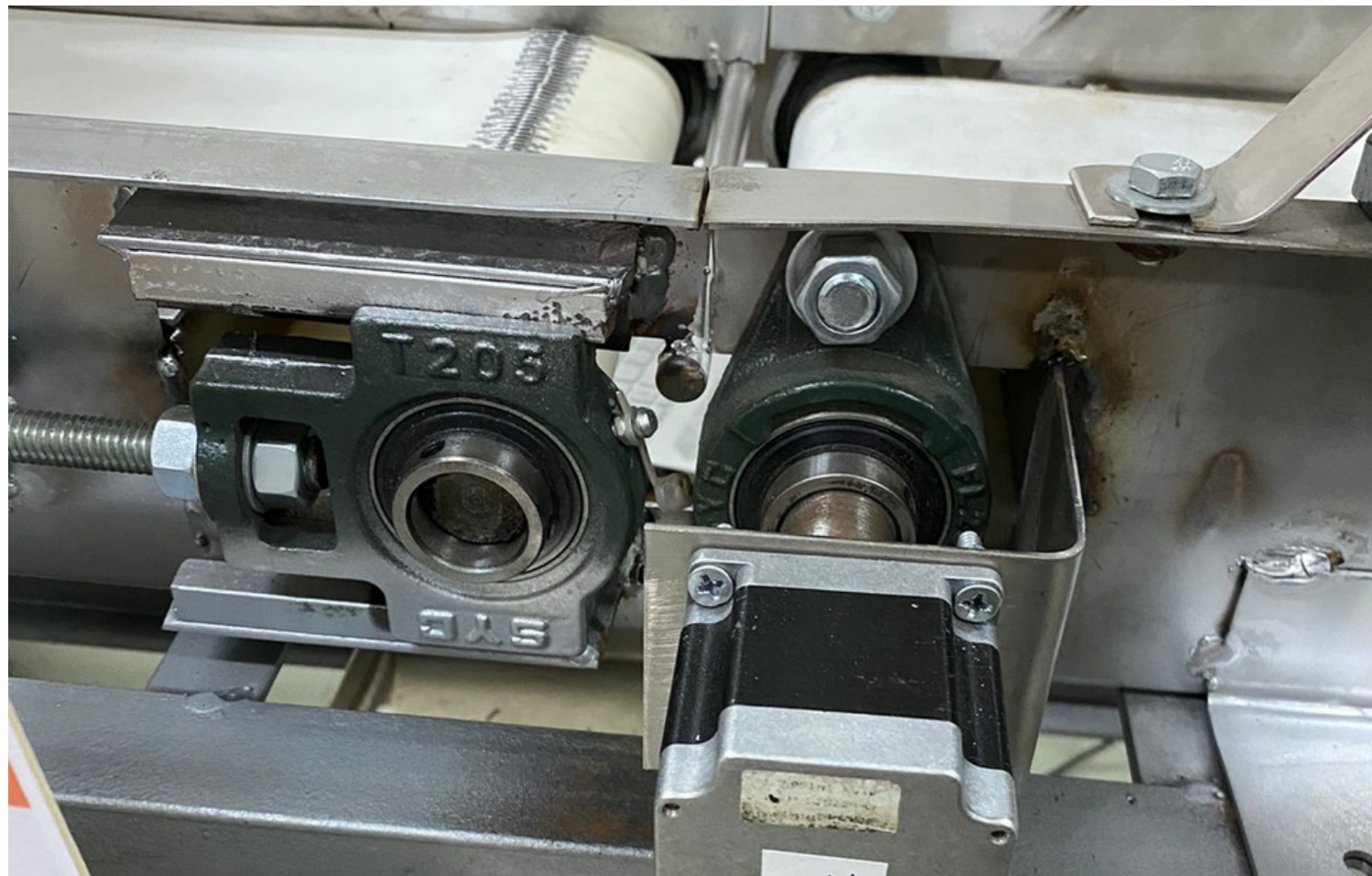


External Design



Conveyors

Isolated Conveyor System



Heat-Tolerant Metal
Conveyor in Oven Segment

Stages

The Ketchup Stage

unique "shower" mechanism, using the force of air pressure to ensure that these sauce droplets are evenly distributed across the entire bread surface.

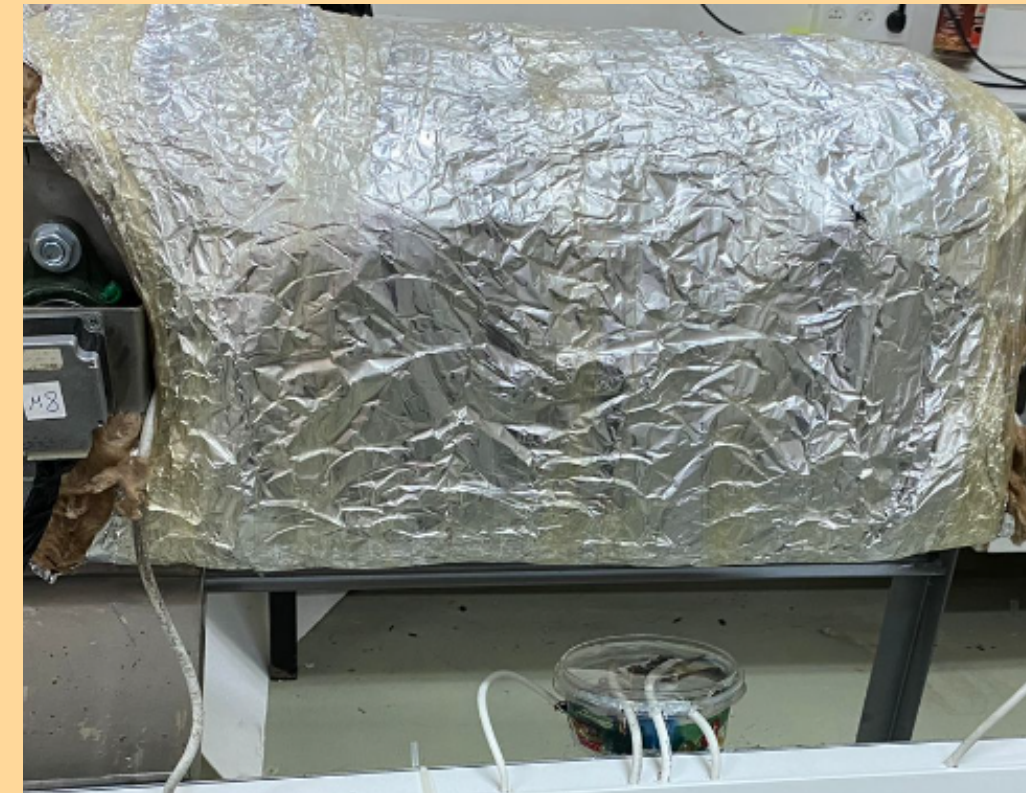


STAGES

THE OVEN CHAMBER

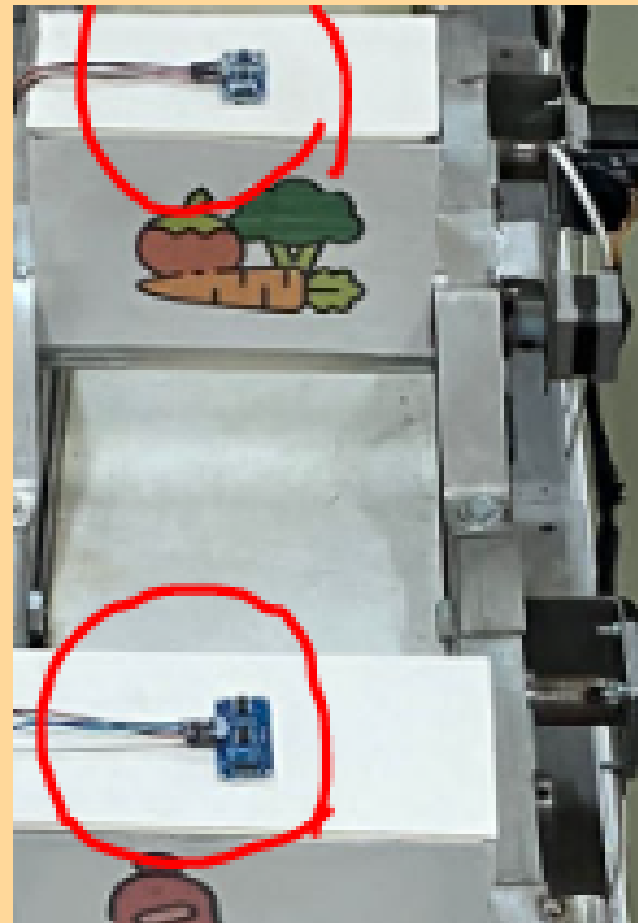
INGREDIENTS DISPENSER

a plastic roller and stainless steel container specifically designed for holding various ingredients

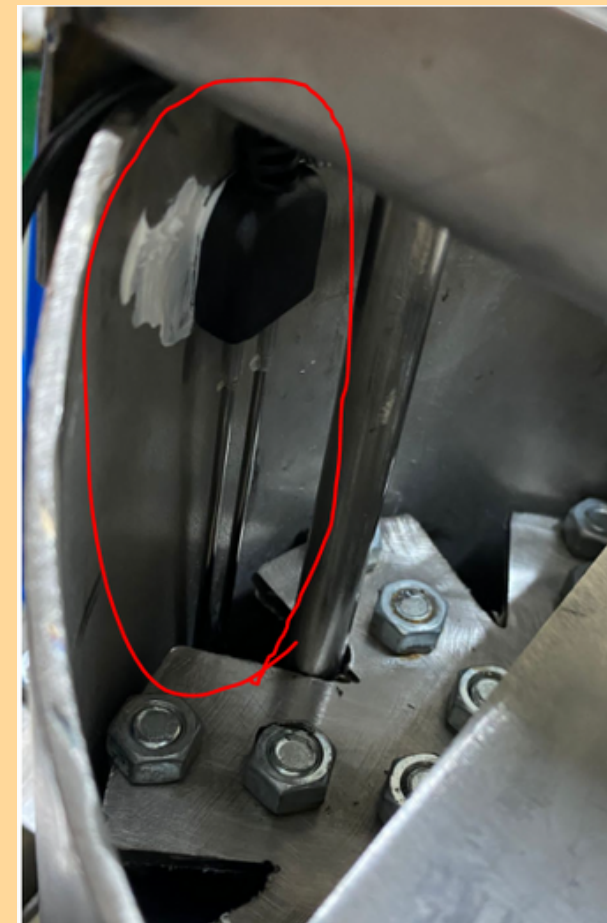




Sensors



**INGREDIENT
MANAGEMENT USING
ULTRASONIC SENSOR**



**INNOVATIVE KETCHUP
WITH SOIL MOISTURE
SENSOR**



**OVEN TEMPERATURE
SENSOR**

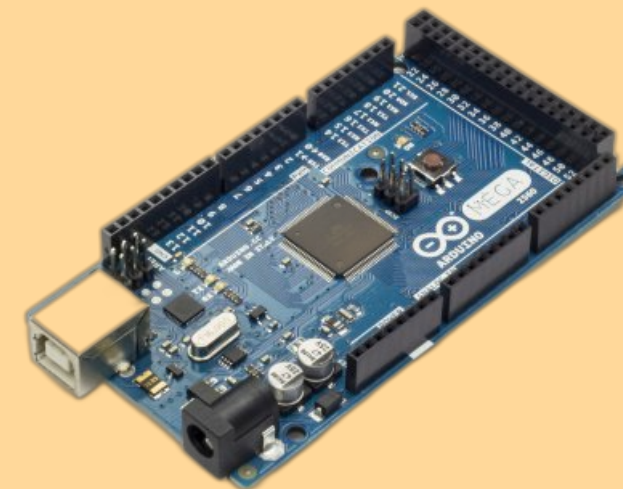
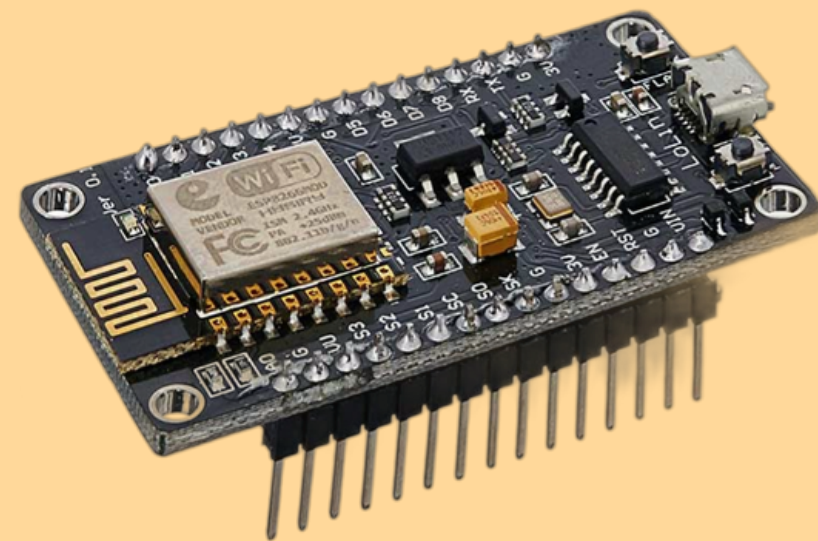
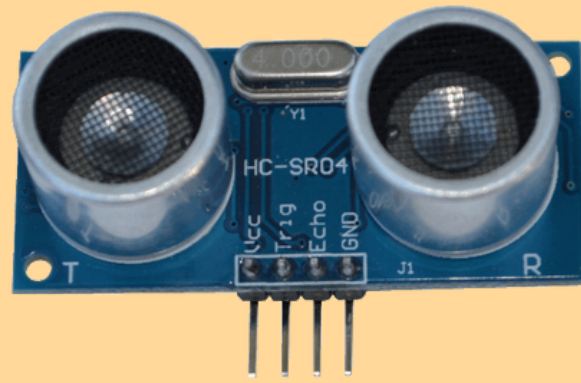


User Interface and Emergency Control



Hardware components

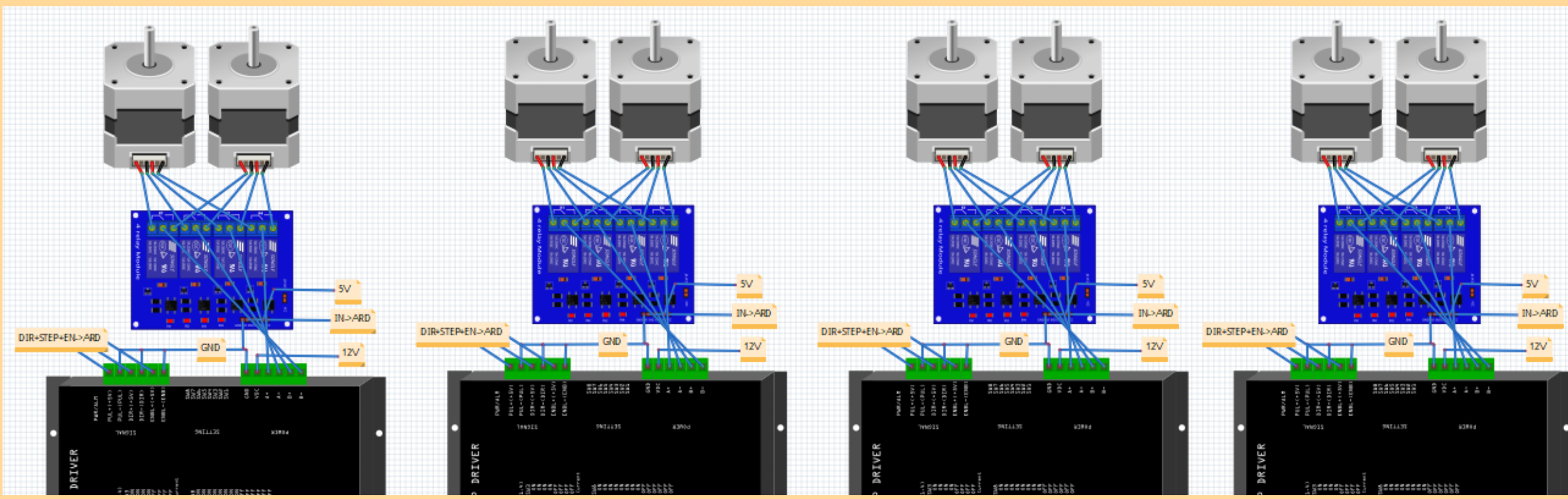
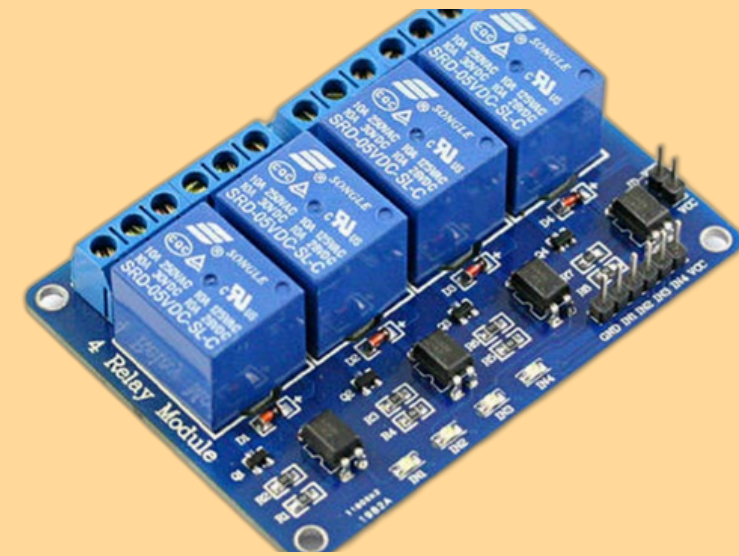
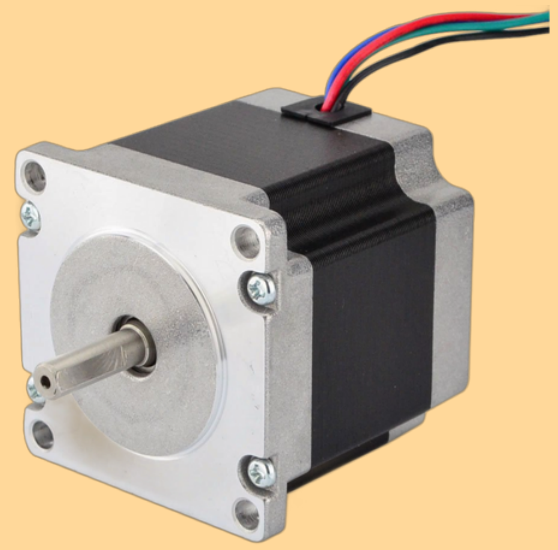
CONTROLLERS AND SENSORS





Hardware components

MOTORS AND DRIVERS



Hardware components

USER INTERFACE



Hardware components

POWER



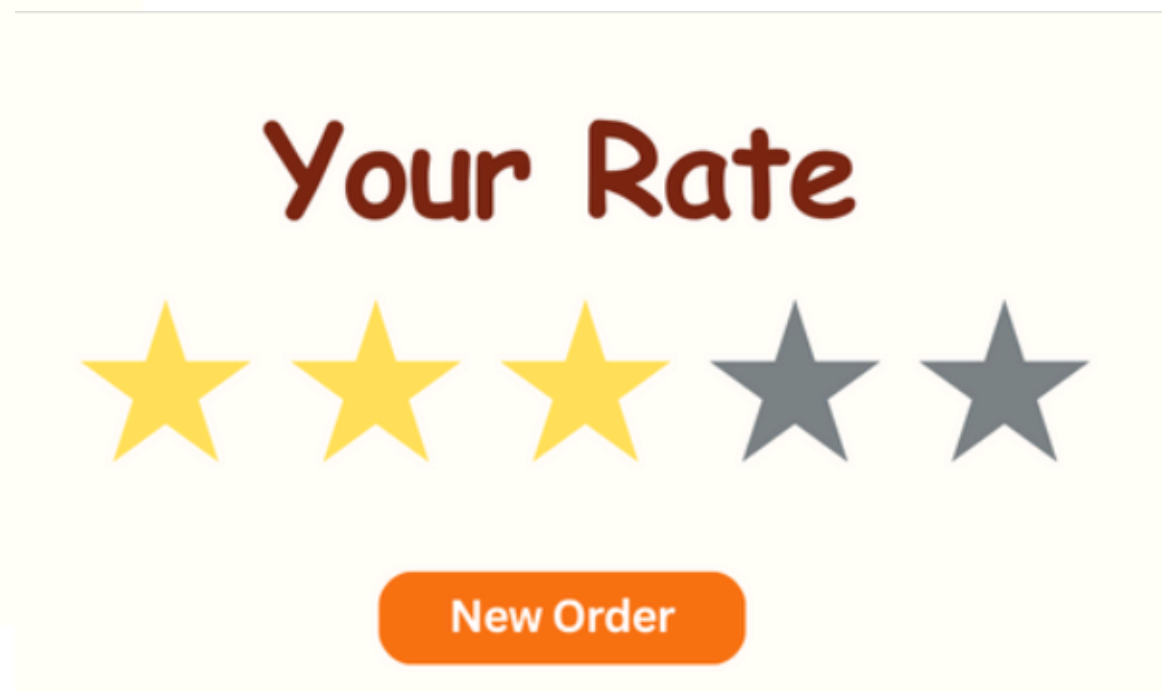
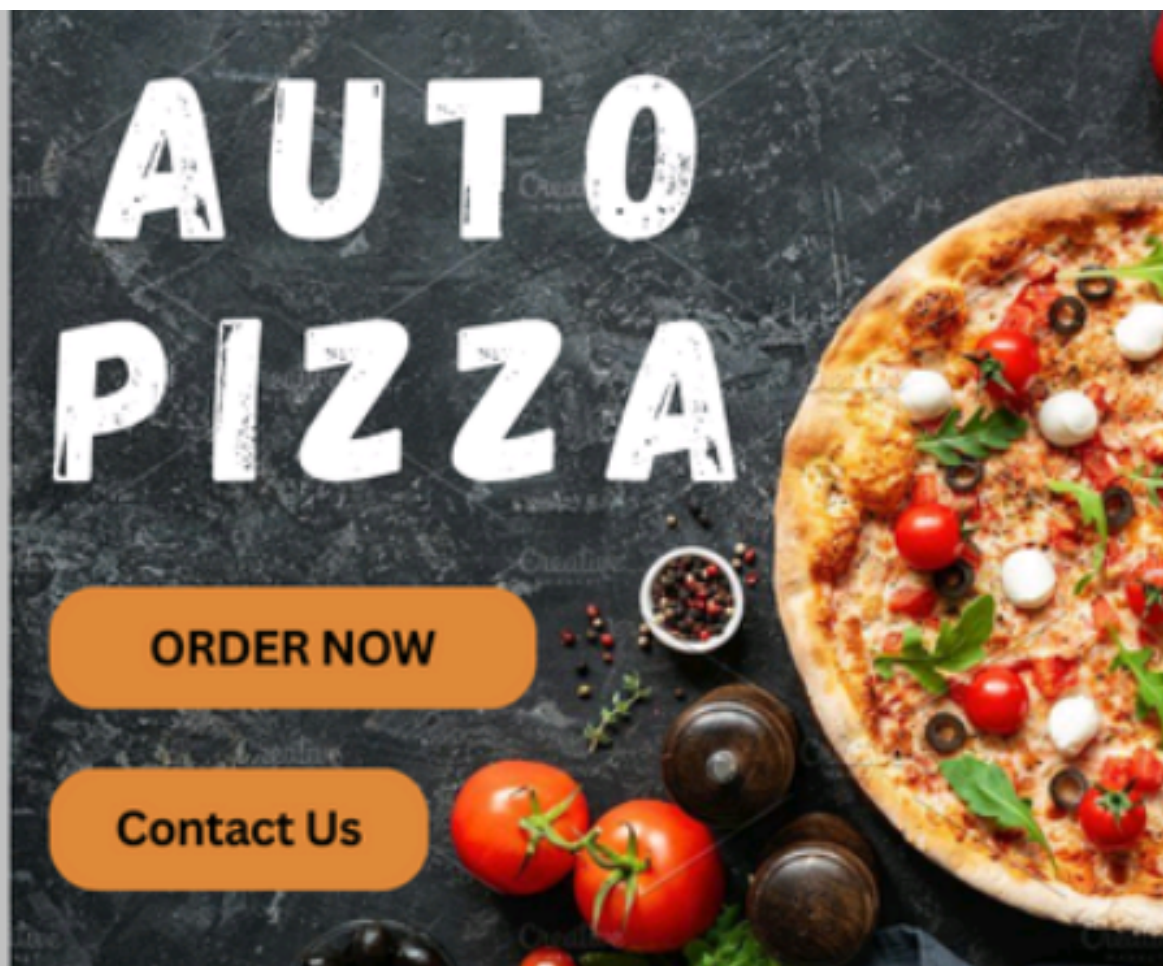
STANDARDS



For coding and hardware
control



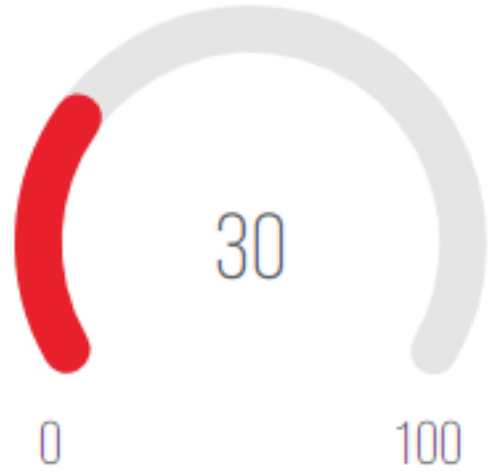
Remote Control Standard



Admin Side

AutoPizza Admin

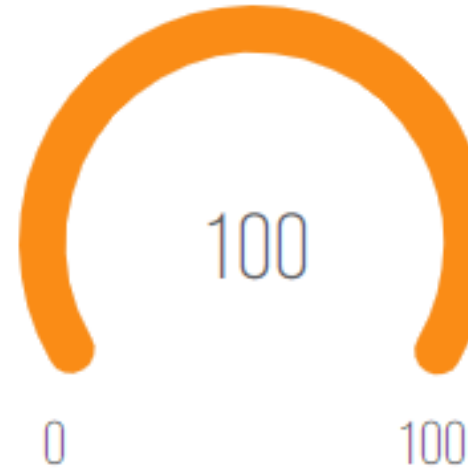
SauceLevel



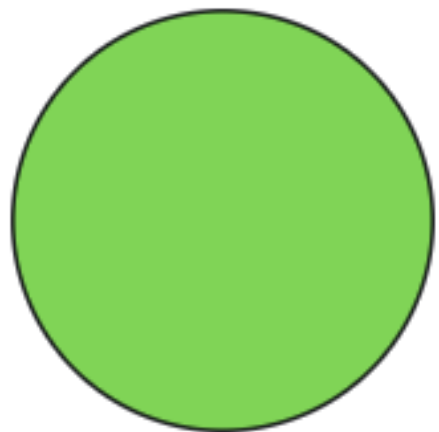
Vegetables Level



Sausage Level



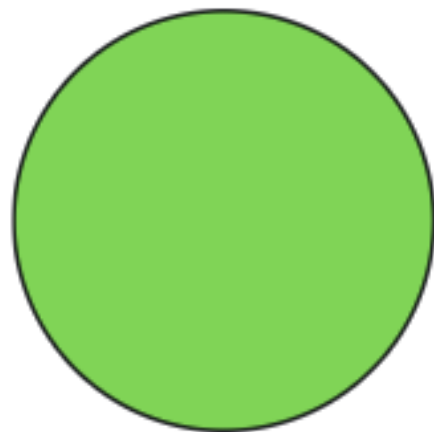
Pizza Sauce Alert



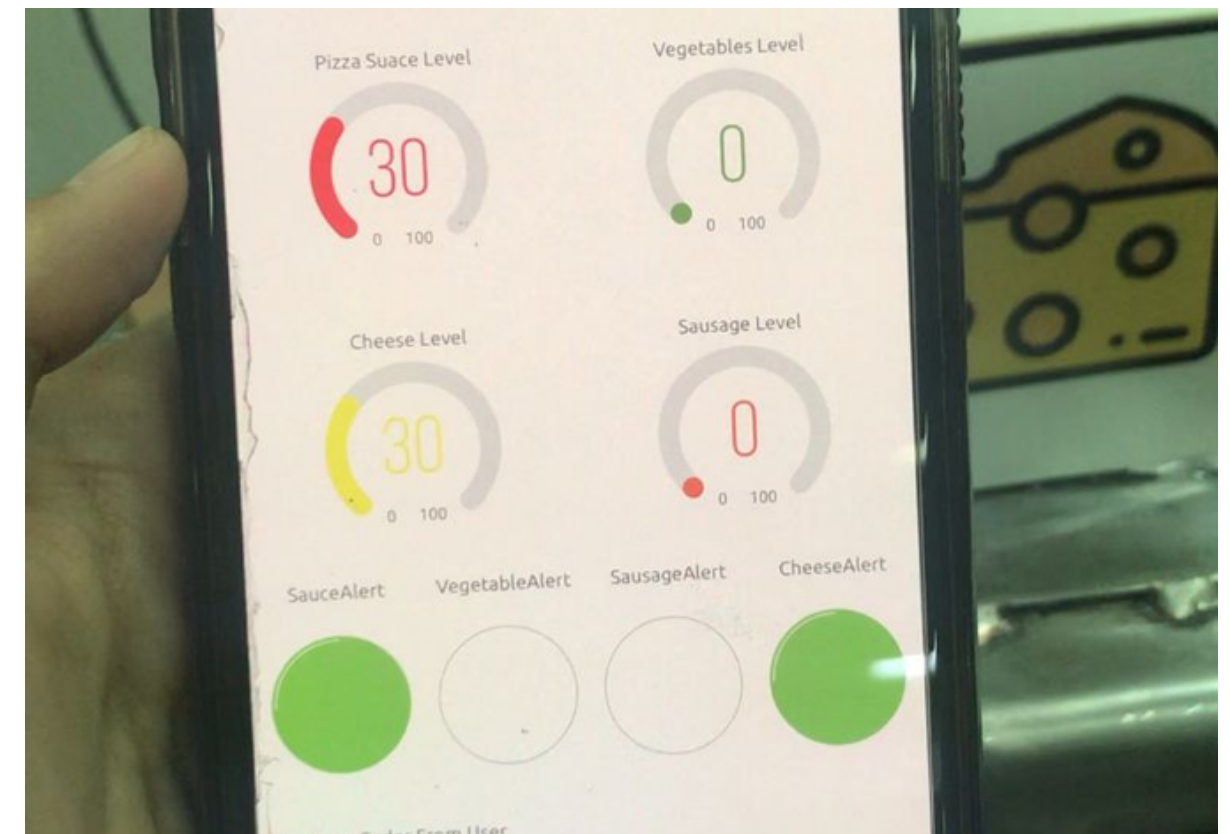
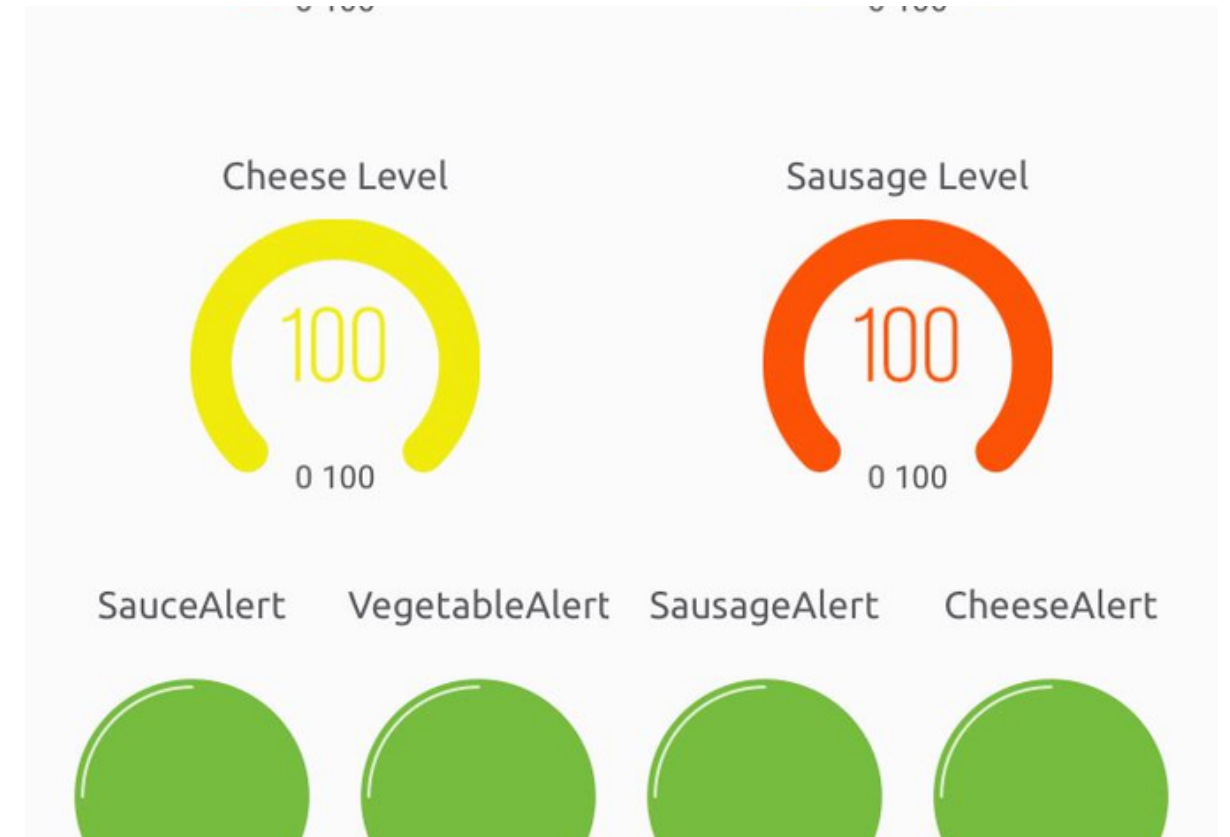
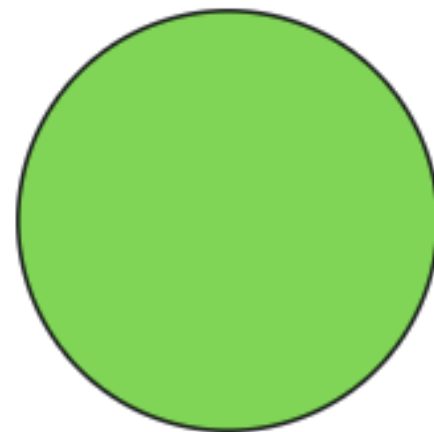
Vegetables Alert



Sausage Alert

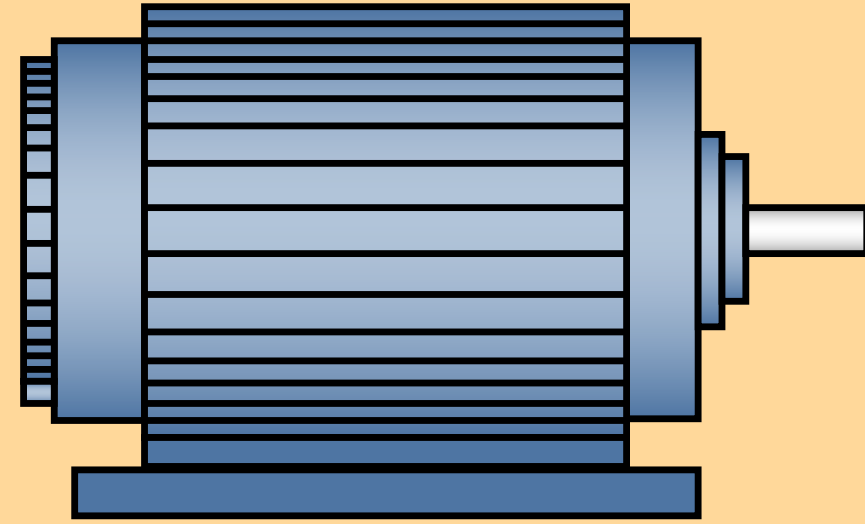


Cheese Alertt

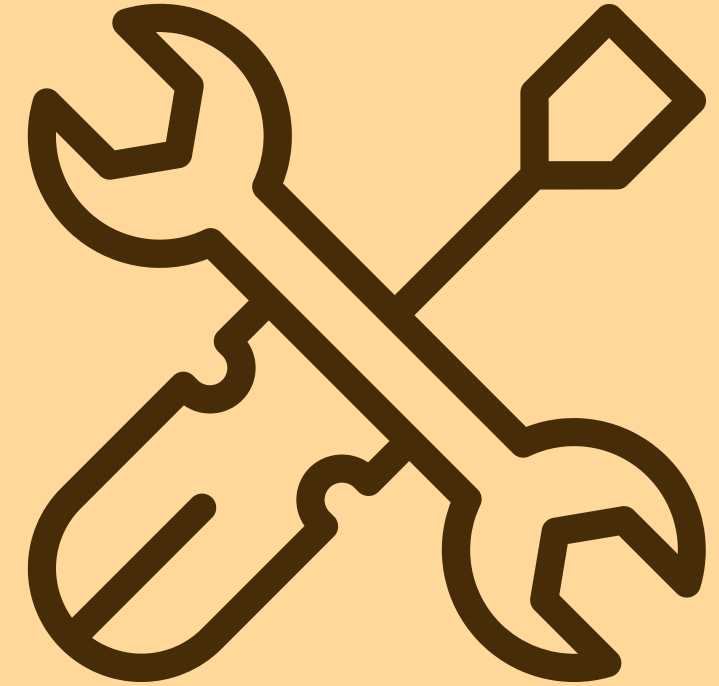




TIME CONSTRAINT



STEPPER MOTOR
CHALLENGE

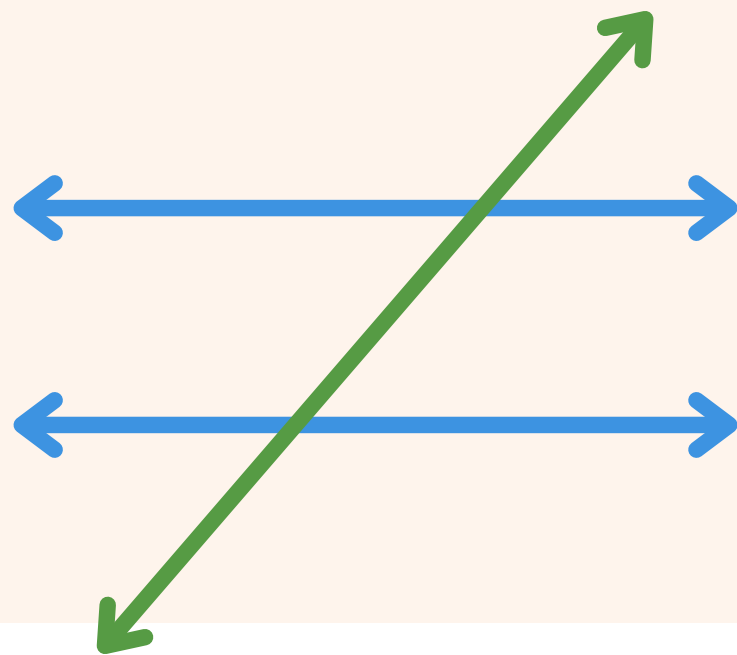


MECHANICAL STAGES
DESIGN

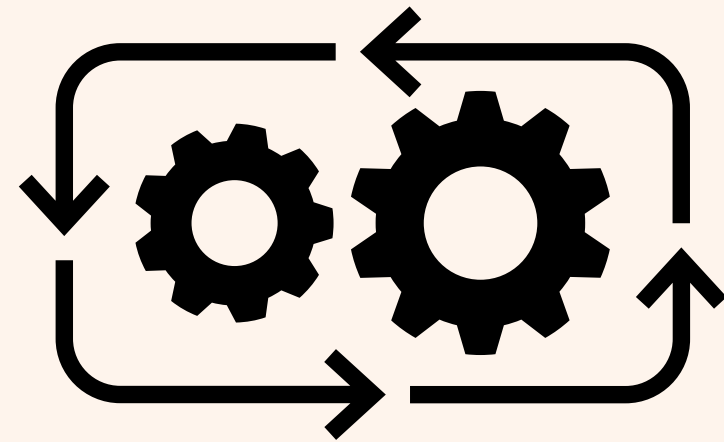
CONSTRAINTS LIMITATIONS

Futureworks

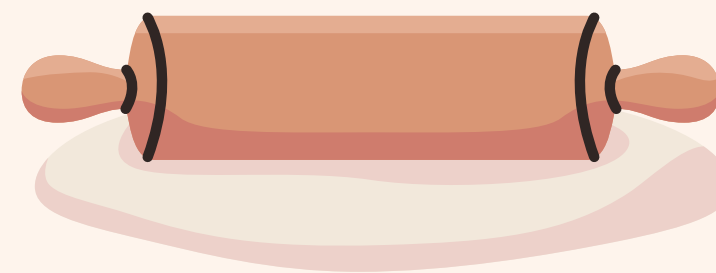
PARALLEL
PROCESSING



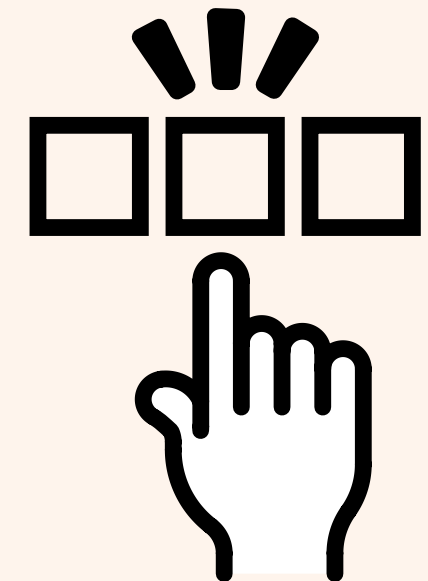
AUTOMATED
INGREDIENT
RETURN



DOUGH
KNEADING
MECHANISM

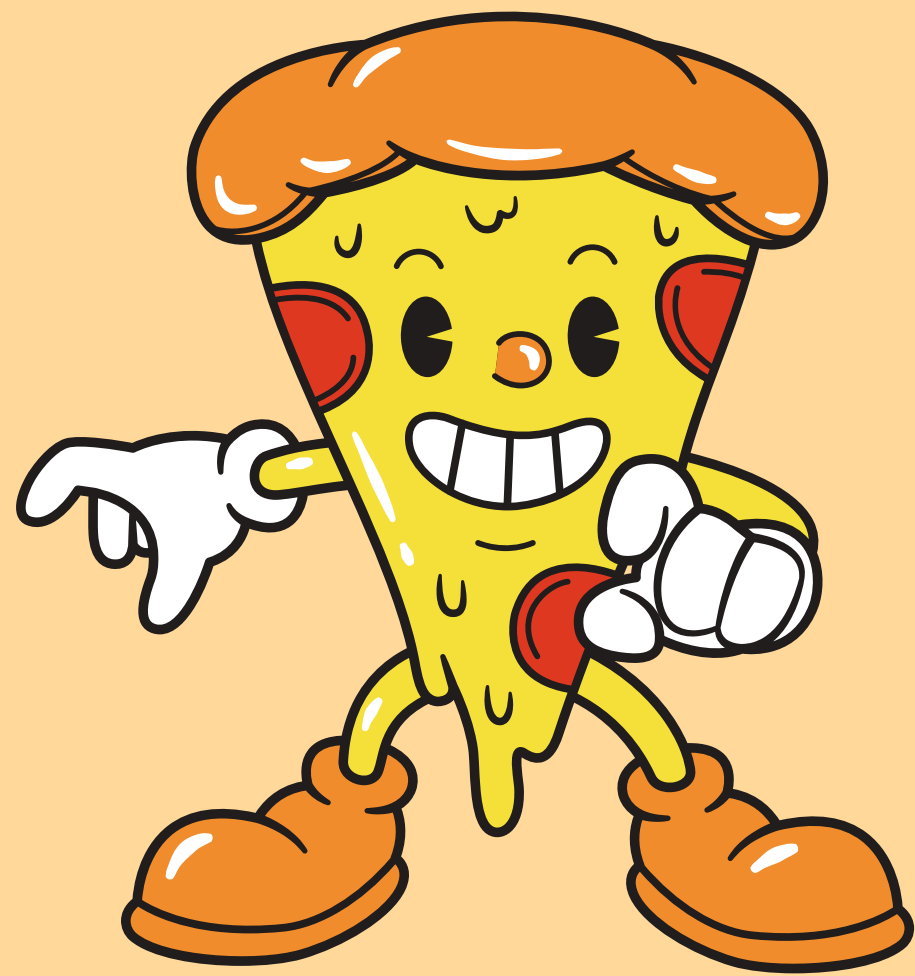


EXPANDED
INGREDIENT
CHOICES





THANK



YOU

