Automatic wedgrinder

# ABOUT

In the modern era, where everything is automated there are still certain fallbacks in the machineries and the appliances that we use in our regular life.

One such appliance in the wet-grinders which helps in preparing dove for breakfast suck as : dosa ,Idly, and other batter related food items.

It’s really a tough part to prepare the batter for Uzhundhu vada(Moong Dal- vada) common in southern – Indian recipe in hotels and restaurants.

# PROBLEMS

Not everything that comes from outdoor is considered as food and so is the food incredients, There are tremendous issues regarding the food items that are brought outdoors

It takes a huge amount of time to prepare batter as it has to undergo fermentation,whuch takes 5 – 8 hours in total.

The power consumption is high as the grinder is a heavy - load appliance.

Quality and the man power consumption matters a lot.

# AUTOMATIC WEDGRINDER

Our project is a AUTOMATIC\_WEDRINGER ,which can grind and clean itself automatically without human interventions and much effort.

The Grinder has four chamber,

FEEDING CHAMBER: This is a place allocated for the storage of the ingredients depending on the type of batter we prepare.

SOAKING CHAMBER: The step-2 of the batter preparation process is the soaking time , which determines the quality. As the REAL TIME CLOCK is enabled to the grinder, the grinder automatically knows the time required for soaking depending on Three things:

🡪Type of Batter

🡪Quantity

🡪Time at which is has to be prepared

GRINDING CHAMBER: It’s the heart of the entire process , as the consistency and and the quality has to be taken care, There is the input for the water to pour through if needed

STORAGE CHAMBER: The final step is the storage chamber which collects the batter for the further usage.

# COMPONENTS

* PCB
* AURDINO
* MOTOR
* IOT and MOBILE APP