Smart coffee machine

TEAM BRIGADE

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Problem Statement and Justification

People start their day with a coffee or a tea. In their rush morning, it is better if someone prepares a cup of coffee for them. And, in their work hours when they are exhausted, they would like to get a coffee. Not everyone is good at making coffee and if we go to a coffee shop, sometimes we cannot get coffee just like our preferrable taste. But also making coffee for them on their own is time consuming as well. No one nowadays like to waste their time in unproductive things like coffee making. But still some people need coffee for refreshment and to get some energy to continue their daily works. So, we would like to give them a solution in a form of a smart coffee making machine which can make coffee according to their own preference. What the user needs to do is just change the ingredient level according to their preference either using the interface on the machine or using a mobile application. This saves their time at the same time serve them with a delicious coffee to refresh them.

Intended Market Segment

Since coffee is used by everyone our target customers are everyone. But if we want to be precise, we are targeting institutions with lot of workers. People used to get tired when they work continuously for hours. So, they need coffee often. Already there are coffee machines in workplaces. With the introduction of our machine those coffee machines can be replaced with our smart coffee machines. Also, there are a lot of households using coffee machines as well. So, this machine can be used for domestic purpose as well.

Judgement of Applicability

We believe that this machine can be used globally. Because many people all over the world like to drink coffee. Therefore, this machine can bring a change not just locally but also globally.

Basic design specification

- Four refillable compartments to add sugar, milk, coffee and water.
- A user interface on the machine to control the amount of sugar, milk coffee and temperature.
- A mobile application to control the amount of sugar, milk coffee and temperature via Bluetooth.
- An indicator and an alert to observe the water level.
- A mechanism that would take the right amount of ingredients for coffee making from each container.
- A stirrer to mix the ingredients.
- A heater to boil the water to the required temperature.

Functionality

- Can customize the coffee by changing the amount of coffee, milk, sugar and also temperature either by controls on the machine or by controlling using a phone.