**Smart coffee machine**

**(190344P, 190149X, 190539T, 190)**

**Problem Defined**

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. So, we planned to make a smart coffee making machine that could make the coffee according to their own preference. This smart device makes a better break time saving the user's time wasting while making their coffee on their own. Now just in a switch, people will be given a coffee as per their own taste.

**Product goals**

**Purpose**

* Saving the time of coffee making process and giving the users the coffee of their preference

**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.

**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.

**Design functionality that can be added to the project by the availability**

* Can be extended to make tea in a different flavour.
* Can be extended to make variety of coffee.
* A memory to save the user’s own preference at one time and can be used later.