Expected Costing:

Item No	Name	Function	Cost(INR)
1	Arduino Mega	Control System	1500
2	3d printing material	Cup dispenser Mechanism	1200
3	Servo motor	Cup dispenser Mechanism	1600
4	Coin Detector	Two Coin detection	3000
5	Tank(20 L + 5L)	Water storage	200
6	Casing, compartments and others (Sheet metal)	Outer Shell	1200
7	Aluminum linkages	Cup dispenser Mechanism	40
8	PVC pipe	Cup movement	60
9	Plastic pipe 10mm	Water flow	550
10	Sliders	Mechanism support	250
11	Heating Kettle 950W	Heating	950
12	Nozzle	Water velocity increment	40
13	Wifi Arduino Module	IOT	400
14	Paper Cup	To hold water	50
15	IC's and other	Voltage converter	230
16	SMPS 12V o/p	AC to DC	550
17	Piping Connectors	To join pipes	350
18	Adhesives	To create firm bond	150
19	Ultrasonic Sensor	Distance Measurement	300
20	Weight Measurement Sensor	Weight Measurement	750
21	Frame Material	Support Truss	320
22	Tap(Single, Double)	Water tap	500
23	Miscellaneous	Extras	200
24	LED Display	Show time and water properties	750
		Total	**Rs. 16,340**

Project Plan-

	Planned Activity		Completed Activity		Ongoing Activity

Work Activity by weeks	July				August				September				October				November
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1s
Literature Review																	
Problem Identification																	
Brainstorming and Benchmarking																	
Product Definition and Parts Classification																	
Synopsis Submission																	
Procurement of required parts and equipment.																	
Program Algorithm for control ckts.																	
Part and Assembly Drawings																	
Fabrication of working prototype																	
Report Submission And Presentation																	

Work Activity by weeks	January				February				March				April			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Synopsis and planning for add-ons.																
Procurement of required parts and equipment.																
Fabrication of required mechanisms																
Coding and required algorithm																
Selection of material for product components																
Manufacturing of shell and outer body																
Installation and assembly of components.																
Validation																
Report submission and presentation.																