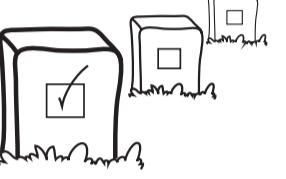


Project name GreenhouseWaterSystemProject owner Ronny mees

Purpose What is the intent of this project? Why are we doing this project? To efficiently and automatically collect and distribute water in the greenhouse. We read values of the reservoir and collect weather forecast data to decide if we can water or if need to add manual water etc. After the collection we need to read the values of the soil moisture and if needed water the plants with a soaker.	Scope What does this project contain? What does this project not contain? A water system it doesn't consist of no water	Success Criteria What do we need to achieve in order for the project to be successful? How can the Success Criteria be measured? If we have a reservoir and we see the info of it and the same with the plants and they get water when needed
Milestones When will we start the project and when is the final deadline ? 26/09/24 - 19/12/24 What are the key milestones and when will they occur? How can the milestones be measured?  We have 2 "projects" The water collectionsystem The Irrigation System	Project 1 - We can see the reservoir value - We can read the weather forecasts - We make decisions and automatically alerts with those data - We make an interface where we see this data	Project 2 - We make the irrigation and sensor circuit - We can dispense water - We can read the soil value - We put it all together and automate it - We put all of this in the interface
Actions Which activities need to be executed in order to reach a certain milestone?  make it!		concept Prototype Finalised project Documentation and final touches
		Outcome What is the end result? - A book - A website - An event
Team Who are the team members? What are their roles in the project? Thomas Oddery Xander De Smet Bram De Geest	Stakeholders Who has an interest in the success of the project? In what way are they involved in the project? Roeselare Vives (Greenhouse) Het team	Users Who will benefit from the outcome of the project? De boeren Roeselare Vives
Resources What resources do we need in the project? - Physical (office, building, server) - Financial (money) - Human (time, knowledge) μController Hoses WateringSystem Reservoir Greenhouse	Constraints What are the known limitations of the project? - Physical (office, building, server) - Financial (money) - Human (time, knowledge, politics) Moisture Sensors WaterLevel Sensor Pump / Filter	Risks Which risks may occur during the project? How do we treat these risks? Water Spillage on components --> Be careful and waterproof risky stuff Late delivery --> ? No rain --> fill it yourself