

# Work Breakdown Structure

**Project Name:** OMEGA  
**Project Leader:** Varad Chaskar

Requirement	Hardware	Software	Enclosure & Cloud	Web & App Develop.	AI and ML	Managenement
Document containing list of all requirements	A document containing Modifications summary	Flowchart of the Sensor Module	Architecture Diagram	Design of Web Wireframe	Design of AI model	Create Project Proposal
list of problems in the pH sensor	Data Sheets Collection of the Components	Flowchart of the Actuator Module	Create 3D design of the Sensor Module	Write code for HTML Slider	Development of AI model	Create Project Charter
List of problems present in the nutrient sensor	Breadboard Design of the Sensor Module	Code for the Sensor Module	Create 3D design of the Actuator Module	Write code for HTML Button	Performance parameter plotting	Create Work Breakdown Structure Chart
Collection of news articles for advantages	Breadboard Design of the Actuator Module	Code for the Actuator Module	the UPS module	Documentation of Adjustable Slider	Evaulation of AI model	Create and maintain meeting minutes
Why hydroponic automation fails?	Breadboard Design of the UPS Module	Documentation of code for Sensor Module	hydroponic tank	Documentation of Button	Deployment and integration to web	Create and maintain GANTT chart
Nutrient required for plant according growth	Schematic Design of the Sensor Module	Documentation of code for Actuator Module	netpot	List of all features of Webpage	Screenshots of AI Model	Create Expense Reports
Need and difference with UV light	Schematic Design of the Actuator Module	Testing Plans for both Modules	Screenshots of AWS cloud and Thingspeak	Screenshots of Webpage		Screenshots of Asana
Need and difference with air pump	PCB Design of the Sensor Module	Test cases of the Sensor Module				
	PCB Design of the Actuator Module	Test cases for the Actuator Module				
	Make Component list of the Sensor Module					
	Make Component list of the Actuator Module					
	Create Bill of Materials of whole project					