



WiseVidhya Junction

# Project

## Smart Plant Feeder Challenge

### Description:

In this challenge, participants will design and develop a smart device capable of automatically feeding plants at regular intervals. The device should ensure that plants receive the necessary nutrients to thrive without manual intervention. Participants will need to integrate sensors, actuators, and a user-friendly interface to create a reliable and efficient plant feeding solution using Arduino.

### Requirements:

- **Problem Statement:** Participants must define the problem of plant feeding, emphasizing the importance of consistent nutrient supply for plant health and growth.
- **Hardware Setup:** Participants should design and assemble the hardware components required for the plant feeder system.
- **Sensor Integration:** The system should incorporate sensors to monitor relevant parameters such as soil moisture level and water level in the reservoir.

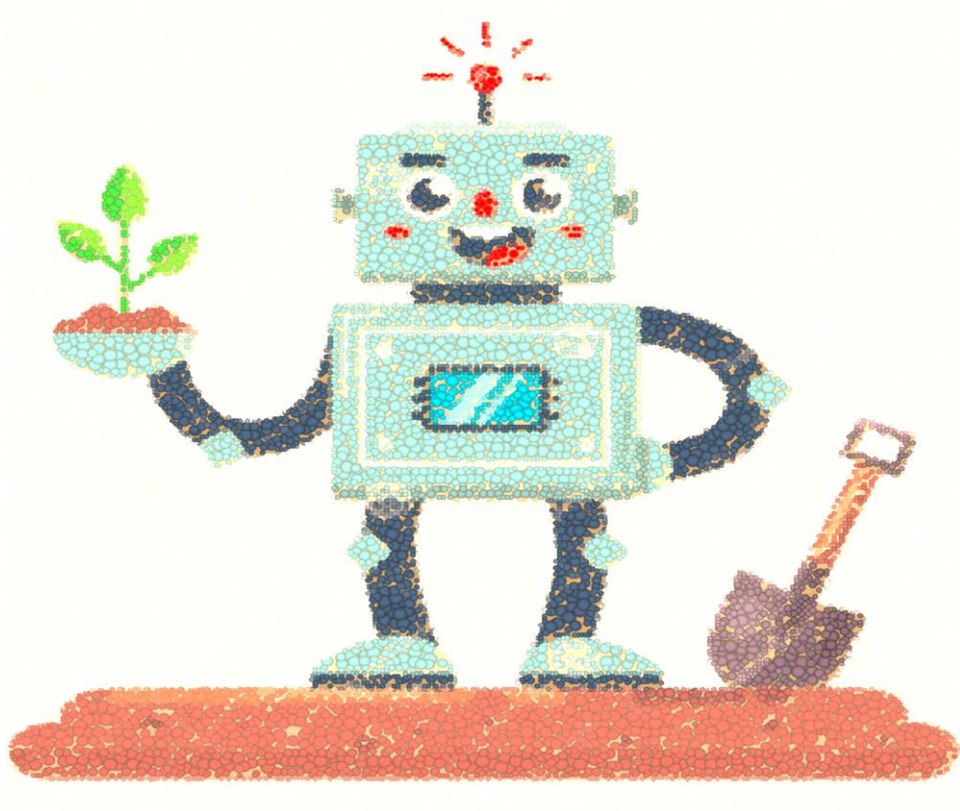
### Evaluation Criteria:

- **Functionality:** Does the plant feeder system effectively dispense nutrients based on the plant's needs?
- **Hardware Integration:** How well are the hardware components integrated and utilized in the solution?
- **Software Quality:** Is the software code well-structured, efficient, and easy to understand?
- "You are free to use any Hardware and Software in your Project."

### Prizes:

- **1st Place:** [Certificate and 1000 Rs/- Cheque]
- **2nd Place:** [Certificate and 100 Rs/- Bonus]

- **3rd Place:** [Certificate]



*Smart Plant Feeder*