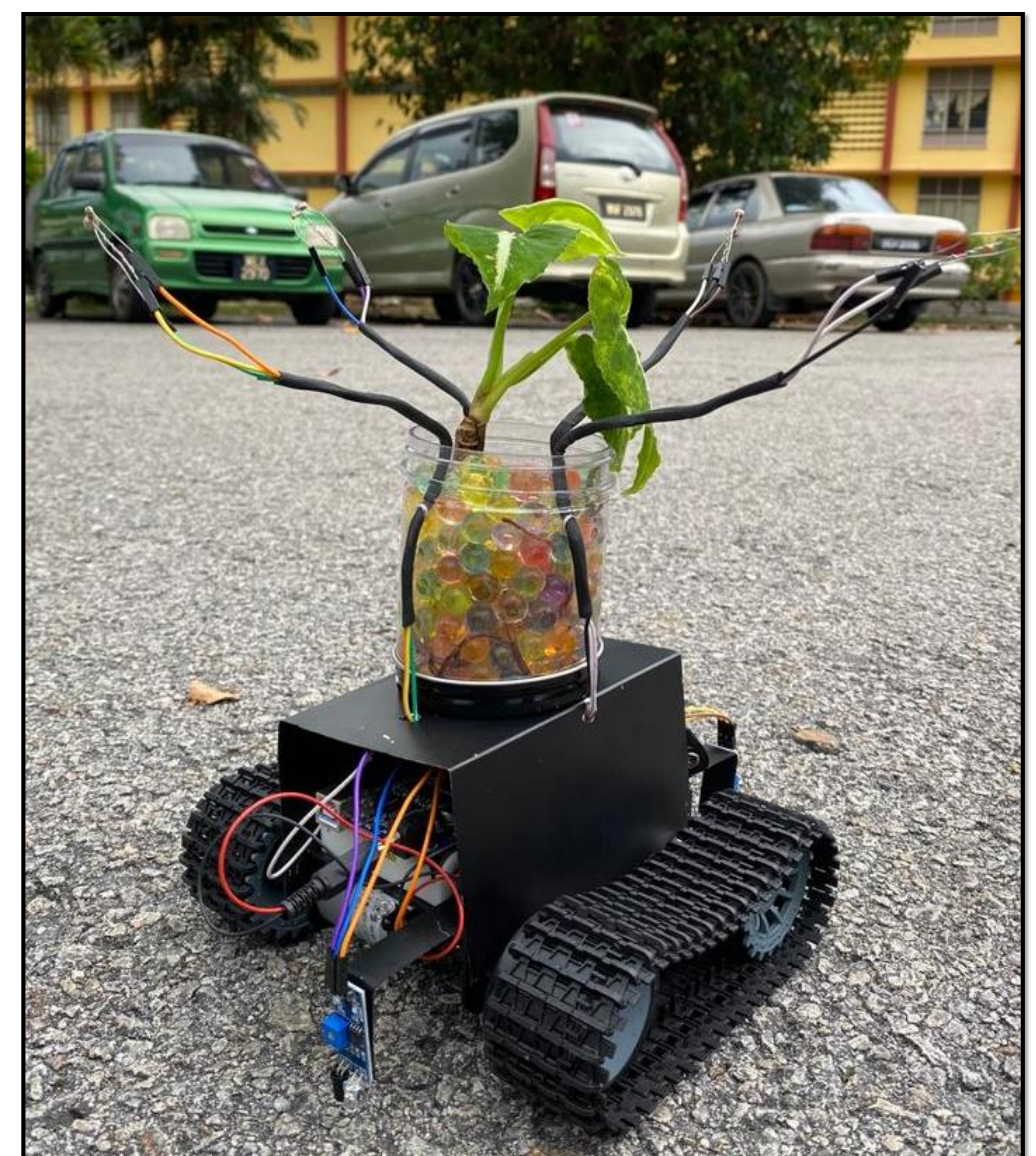




# PLANT CYBORG HYBRID

## INNOVATION

- Plant Cyborg Hybrid implements **technology** and **agriculture**.
- Use Arduino Uno to handle motor, infrared sensor (IR) and light dependent resistor (LDR).
- Prevent from any obstacles and will move toward the highest **intensity of light (Candela/ CD)** which detected by light dependent resistor (LDR).
- Help the plant to get enough light in **photosynthesis**.
- Able to help the consumer who have limited space to practice agriculture activity: **Urban Farming**
- Suitable for planting indoor plant in limited space.



## SPECIFICATION

<b>Weight capacity</b>	850g
<b>Measurement (Length x Width x Height)</b>	15cm x 13 cm x 13.5 cm
<b>System</b>	Arduino Uno
<b>Colour</b>	Black
<b>Power Supply</b>	9V (motor driver) 6V (Arduino Uno)
<b>DC Motor</b>	12V

## PRODUCT DEVELOPMENT

The selection to build this product is because of majority of the population **have difficulty in practicing agriculture activity indoor place**. The production of the product focuses on who are staying in **urban area** especially in apartment and flat that have limited space to practice agriculture activity. Tools and materials that have been used to produce this product are Arduino Uno, motor, wire, battery, light dependent resistor (LDR), infrared sensor (IR), jar, heat shrink and wheel. Method that has been used is coding which used **Arduino software** to send signal to make sure it functions well.



Project Leader : Dr Muhd Khaizer Bin Omar  
 Team members : Wan Nur Hamimah, Nur Raihana Yasmin & Akmal Zuhdi  
 Dept./Faculty : Faculty of Educational Studies  
 Email : khaizer@upm.edu.my  
 Phone : 0193383956  
 Expertise : Technical and Vocational Education and Training (TVET)

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