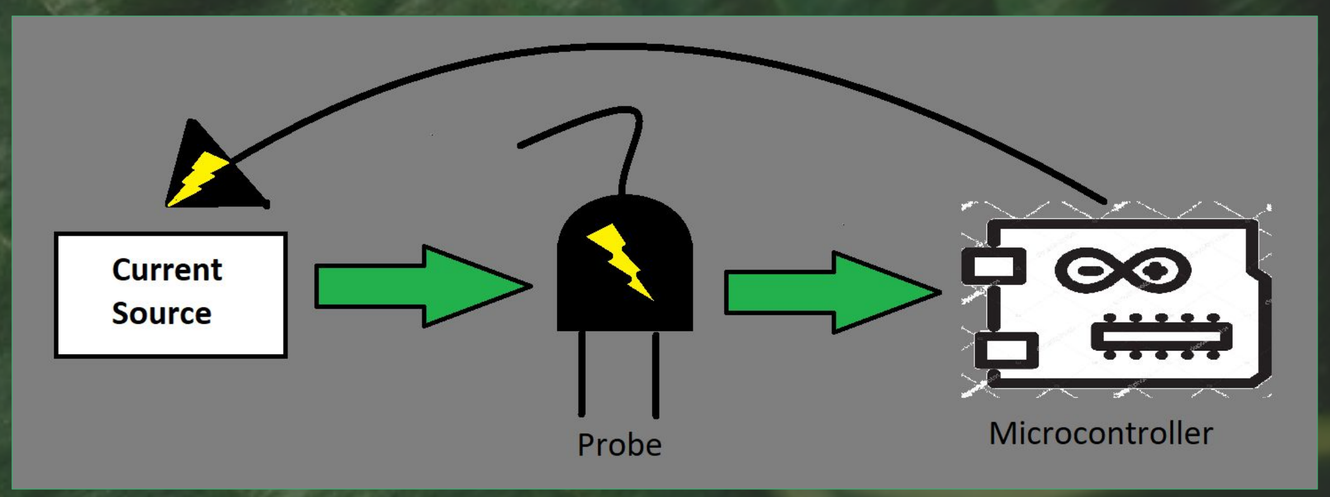
Aeroponics/Hydroponics Nutrient Monitoring System

Project Goal

To design a sensor to detect when a plant is receiving insufficient nutrients.



Demographic

Industrial/Academic

GreenPharma NATURAL

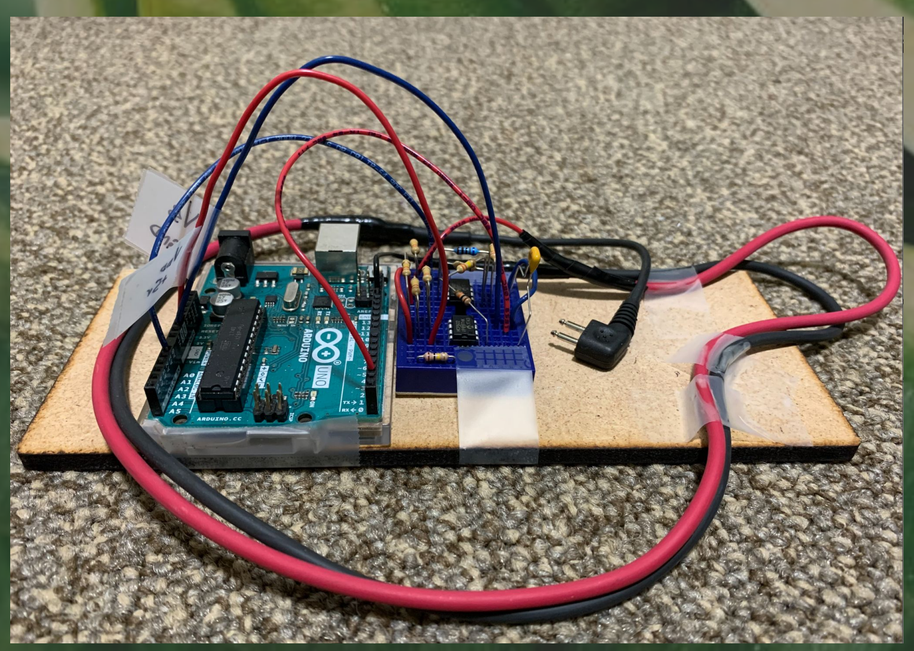
CENTRE for FOREST BIOLOGY University of Victoria

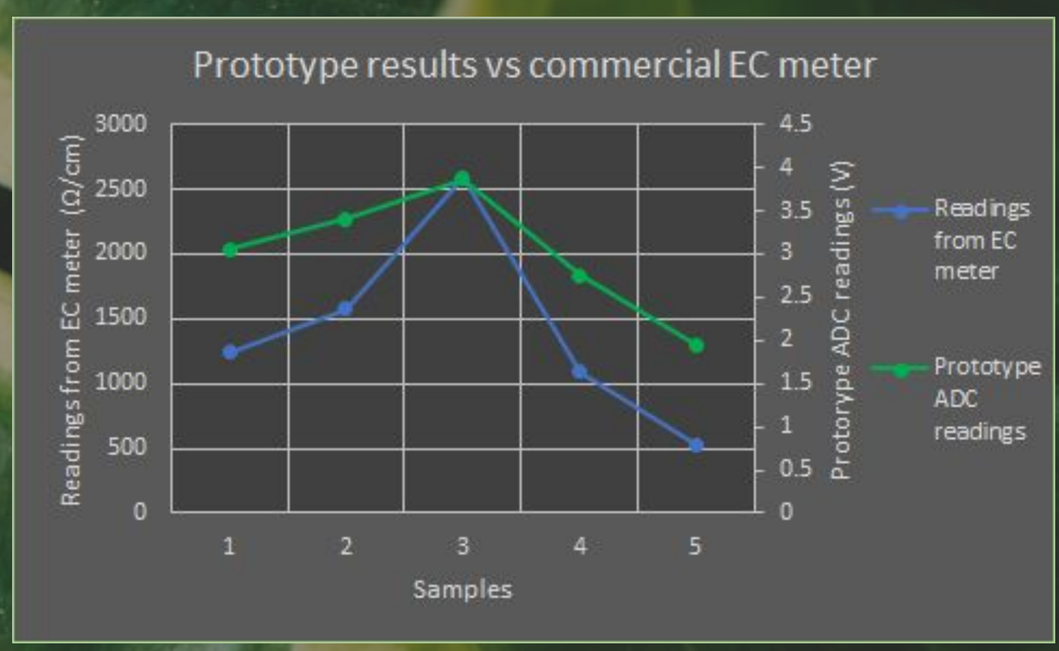
Hobbyist/Gardener

MAKERSPACE

GARDENING

Prototype and results





Our prototype was able to emulate results from a commercial EC meter for detecting changes in conductivity

Looking forward

- Investment
- Wireless capabilities
- Further botanical research

Poster References

Background:

https://www.pexels.com/photo/close-up-photography-of-green-leaves-4594027/

Green pharma logo:

https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQLIU4x_asxBN3llHROTFbDxa7bBINPieIZAQ&usqp=CAU

University of Victoria Forestry logo:

https://www.uvic.ca/research/centres/forestbiology/assets/images/misc/logo.jpg

Makerspace logo:

https://cdn.dribbble.com/users/906945/screenshots/3044371/5.png?compress=1&resize=400x300

Gardening logo:

https://cdn3.vectorstock.com/i/1000x1000/48/92/gardening-logo-design-with-spade-and-rake-vector-13314892.jpg