Abstract

I started this project from the interest i have in eco-farming and IoT. During the development i plan on improving my knowledge about electronics and programming.
Since the price of electronics is getting lower, i belive that an automated green house could be a great solution to small size cultures of enviorment dependent plants.
This project is a prototype of a green house running in 3 modes :

- autonomous
- web client controlable
- local controlable

I am trying to get a cheap and efficient solution to the need of farming enviormental dependend plants in any climate zones.
Some plants require some specific enviorment conditions to grow , the purpose of this project is to create the necessary conditions for those plans to grow in a controlled greenhouse by monitoring and modifying enviormental conditions like : light, humidity , temperature and air.
Using a sistem of sensors and development boards i plan on keeping on optimum values and adjusting the close enviorment to fit the conditions of the plant to grow.

Project Owner : Andrei Hritac
andrei.hritac@gmail.com
Student
Automation and applied computer science in "Stefan the great" University of Suceava, Romania.