Project Time:

Estimated Time= 5 Days.

Overall Time= 8 Days.

Project Steps:

Define the Problem ----------> (Done).

Specify Requirements:

1-Atmega32 micro

2-AMD micro.

Do Background Research:- (2 Days)

Components:

One:

Master the neural Network algorithm.

Two:

Build neural network by python and test it.

A- Simple Perceptron.

B- Multilayer Perceptron.

Three:

1- Understand the Microcontroller that you want to use and the their limitation.

2-Browse about C libraries that can help you to write your C version from algorithm and their compatibility to the Micros.

Brainstorm Solutions ----------> (Done)
Choose the Best Solution ----------->(Done)

Do Development Work: (3 Days)

Components:

Four: (1 Day)

Build neural network by C and test it.

A- simple perceptron.

B- multilayer perceptron.

five: (1/2 day)

Know how you can send data from computer to micro and vice versa, how you can catch the image as a complete block.

Six: (1/2 day)

Test the project with the new modifications.

Last: (1 day)

Compare the result from the c version with the python version, Do some plots to show the results of each other and the both two.

- **Build a Prototype.**
- **Test and Redesign.**

Final Close: (1 Day)

1/ Document your project.

2/ Upload it to Github.