**Meeting Minutes**

**-1-**

**Date** : 17/10/2016

**Place** : Faculty

**Achievements :**

* We had a discussion about how to build two sorting data arrays .
* Learn how to sign in for GitHup site and upload a project .

**After the meeting :**

* We set up Git source and learn how to use it . and we did a comment test .
* We publish our tasks on the GitHup site .

**Tasks :**

1. Read an array from a file , then show the sorted data into another file .
2. Main arguments .
3. Bubble sorting algorithm .

**-2-**

**Date** : 24/10/2016

**Place** : Faculty

**Achievements :**

* Discussion about our tasks .
* We had an overview for the c++ language .

**After the meeting :**

* We decided to join a c++ workshop after our supervisor suggestion .

**Tasks :**

1. Try to design an digital filter on matlab .
2. Do an improvements to our last tasks .

**-3-**

Date : 31/10/2016

Place : Faculty

Achievements :

* Made low pass filter using butterworth filter function in matlab .
* understood normalized frequency and filter order
* Differences between FIR & IIR filters.
* made changes to fIR & IIR filters with FDA (filter design analysis tool) in matlab.

Tasks :

1. Try to make matlab code for FIR by taking Coefficients from FDA tool and compare the output with matlab filter Function & and the same with IIR filter.

Date: 7/11/2016

We cancel the meeting

Date: 14/11/2016

Place: Faculty

Achievements:

* Success to make half of the desired code for FIR filter design (making initial loop of the coefficient).
* Try to handle merge conflict between Ahmed’s branch and Ghada’s branch.
* Explain the mechanism of FIR filter.

Tasks:

1. Retry to design FIR filter by matlab code.
2. Making design for FIR filter with visual c++.

Date: 21/11/2016

Place: Faculty

Achievements:

* Success to make the desired code for FIR filter design with matlab and visual c++.
* Try to handle merge conflict between Ahmed’s branch and Ghada’s branch.
* Explain the mechanism of IIR filter.

Tasks:

1. Design IIR filter by matlab code.

Date: 28/11/2016

Place: Faculty

Achievements:

• failed to make iir filter with matlab.

• again Explain the mechanism of IIR filter.

• making model of filter with matlab and try to generate c code from it.

Tasks:

1- Design IIR filter by matlab.

2- Design IIR filter with c++ code.

Date: 5/12/2016

Place: Faculty

Achievements:

• Succeed to make the desired code for IIR filter design with matlab and visual c++ with Direct Form II algorism.

• talked about signal processing stages and deliveed project RF data to start working on it .

• doctor will make a GITHUB project .

Tasks:

1- reading RF Data file in matlab (Ghada).

2- design bandpass filter [high (ahmed) – low(farah) ].

3- merging work on GITHUB project.