

## Project Diary

**Project name** – Mash (Mathematical shell)

**Name** – Abhishek Guha

**Group** – 16

**Slot** – 11

**Team no.** – 11-16-T3

### Meeting - 1:

Date: 09-10-2014

Venue : Hostel-4

Duration: 2 hrs

- I presented my Project Idea to the group and everybody was convinced and ready to do the Project I have told to do.
- I gave a small introduction of Shell to other team members.
- Then Animesh told us about making mathematical shell in which we can include mathematical operations.
- It was decided that Animesh and Niran will write the code of mathematical functions.
- I will write the code for Shell.

### Meeting – 2:

Date: 16-10-2014

Venue: OSL

Duration: 2 hrs

- I have written the half code of main function. And give a small demonstration to other team members.

- Animesh and Niran wants to know how to use trigonometric and exponential function and how to make computer read the polynomial, so our TA was trying to make them understand and I was helping TA.
- I told them about parser and how to use that.
- I showed my code of main function to TA and asked him to give some idea to improve that.

### **Meeting-3:**

Date: 17-10-2014

Venue: Hostel 4

Duration: 2hrs

- In 3<sup>rd</sup> meeting I told my further strategy of writing the complete code of main function to other team members.
- I gave them an idea of piping and I/O redirection.
- We have discussed about including password and welcome screen in the shell.
- It was decided that the codes of password and welcome screen will be written by Animesh and Niran.

### **Meeting-4:**

Date: 30-10-2014

Venue: OSL

Duration: 2hrs

- We are discussing about the password code. Since Niran has to write the code for password and we are not getting any function by which we can write something but it does not show on screen. I googled it and finally we got that function and header file.
- There was some problem in the differentiation code so we shorted it out.
- I write my further code of shell. Since I have to write the whole code of shell.

### **Meeting-5:**

Date: 06-11-2014

Venue: OSL

Duration: 2hrs

- Animesh gave me the code of integration and differentiation and finding a root.
- I have included them in my shell code.
- We discussed about including matrices in our MaSH.
- We discussed about classes and structures.
- Niran have to do that task.
- We discussed about how to formulate matrices using classes and structures.
- I wrote further code of MaSH.

### **Meeting-6:**

Date: 22-11-2014

Venue: hostel-4

Duration: 3hrs

- Animesh and Niran gave my remaining codes.
- Now they have completed their entire task.
- Now I am to include these all in MaSH.
- We confirmed that all the mathematical functions are running properly.
- We discussed about the remaining Documentation.