Project Diary

Project name – Mash (Mathematical shell)
Name – Niran Meher
Group – 16
Slot – 11
Team no. – 11-16-T3

Meeting - 1:
Date: 09-10-2014
Venue : Hostel-4
Duration: 2 hrs

- Abhishek come up with the Idea of shell. We all agreed to that.
- He gave us a small introduction about the shell.
- He told me to read more about the shell and about the codes.
- I learnt some commands of Ubuntu on terminal and learnt how the shell works.
- Animesh came up with the idea of making mathematical shell.
- And it was decided that the mathematical codes will be written by me and Animesh since they are simpler than the actual code.

Meeting – 2:
Date: 16-10-2014
Venue: OSL
Duration: 2 hrs

- I have written the code of basic operation of mathematics like addition, multiplication,division and subtraction.
- We want to add much features to it so we asked to TA that how can we include exponential functions and trigonometric functions to our program.

- TA told us about the Parser.
- In lab we are discussing about the parser only.

Meeting-3:
Date: 17-10-2014
Venue: Hostel 4
Duration: 2hrs

- We discussed about the full main function's design in 3rd meeting.
- We have discussed about including welcome screen in the shell.
- I find myself comfortable in writing the code for welcome screen hence I took that task in my hand.

Meeting-4:
Date: 30-10-2014
Venue: OSL
Duration: 2hrs

- We discussed about the password code. Firstly Animesh was doing the password code than It was decided that I will do that also.
- But there was a problem of finding a function by which we can write password but it will not show anything on screen but finally we came to know about the function **getpass** in header file **<unistd>** and later I used that in my program.

Meeting-5:
Date: 06-11-2014
Venue: OSL
Duration: 2hrs

- Since we are including mathematical functions so we are to include matrices also.
- And this task is also given to me. I am to write a program that will do maximum of matrix operations.

- I have to do this by using class. So I have to study classes and structures.

Meeting-6:
Date: 22-11-2014
Venue: Hostel-4
Duration: 3hrs

- Finally I submitted my code of matrices to Abhishek. He will include it in MASH.
- I have completed almost all work I have given to do.
- We have discussed about the remaining Documentation.