

BIITmaps

Roll no. 140100076

Project Diary

1st October: 12:30pm to 1:15 pm

Location: Lecture Hall Complex (corridor outside LA101).

Members present: Sheetal, Deepak (via mobile) and Chetan (also via phone).

Objective: Formation of Group.

Discussion: Open invitation to Deepak and Chetan for forming a group for making the CS101 project. Also, important information regarding project conveyed by Sheetal to the rest.

Outcome: Group successfully formed and registered.

6th October: 2:45pm to 4:30pm

Location: Hostel 15 Mess.

Members present: Sheetal and Deepak.

Objective: Discussion regarding topic of project.

Discussion: Contemplation regarding what to do project on.

Sheetal suggests three probable ideas: bank maintenance, scientific and graphical calculator or mapping software.

Deepak's opinion that all three ideas are practically feasible and decide that the order of preference: maps, then bank and finally calculator.

Outcome: Chetan's opinion awaited.

13th October: 8:30pm to 10pm

Location: CS lab (NSL annex.)

Members present: Sheetal, Deepak and Chetan.

Objective: Problem Analysis, idea of three means of transport.

Discussion: Ideas listed in point form. List of features decided upon. Half of the typing also accomplished by smart division of workload.

Three options included for increasing flexibility.

Outcome: Rest half left on Deepak to complete.

14th October: 9:15pm to 10:45pm

Location: Hostel 15 Mess.

Members present: Sheetal and Deepak.

Objective: Project report Ready, Name!

Discussion: Deepak hands over draft project report to Sheetal for final editing.

Sudden realisation that name of project not decided or thought upon...overlooked completely.

"BIITmaps" suggested by Chetan over mobile message.

Outcome: Work going ahead smoothly.

16th October: 2pm to 4:15pm

Location: Hostel 15 Mess.

Members present: Sheetal, Deepak.

Objective: Name finalisation, Idea of grid.

Discussion: Consensus that name is appealing.

Sheetal and Deepak do lot of brain-storming for map and graphic related issues.

Idea of pixels comes up.

Map to be represented as a two dimensional array, for computational purposes in the program.

Outcome: Draft logic ready. Name incorporated in to ready drafts.

19th October: 9:30am to 11:15am

Location: Hostel 15 Sixth floor.

Members present: Sheetal, Chetan and Deepak(via Google Hangouts).

Objective: Submission!

Discussion: Sheetal asks Chetan to convert all documents to pdf.

Deepak takes up coding. Sheetal completes final formatting.

Outcome: Finally, some success!

20th October: 8:30pm to 10pm

Location: CS lab (NSL annex.)

Members present: Sheetal, Deepak and Chetan.

Objective: Functions to be included, tumtum?

Discussion: Tumtum option seems to be giving problems.

Chetan, who started coding on route via tumtum, suggests to keep a different option for tumtum altogether. Idea accepted. Chetan takes up work of tumtum part of code.

Sheetal and Deepak make a list of tentative functions. It is decided that we both would start collecting 'raw materials' that would be required in the project, like map, logo, graphics etc over the Diwali vacations.

Outcome: Beginning of program design.

29th October: 9:30pm to 10pm

Location: CS lab (NSL annex.)

Members present Hostel 15 Mess.

Members present: Sheetal, Deepak.

Objective: Logo finalised, Finding map is a BIG problem.

Discussion: Deepak shows Logo designed by him for BIITMaps. Consensus that logo looks really good.

Problem of finding feasible map is discussed, although no solution is found.

Deepak says he would work on graphics (display of menu, map, user interface).

Sheetal starts working on maze solver code (based on coding in a previous CS lab assignment).

Outcome: Logo ready. Maze solver and Graphics look manageable. Map URGENTLY needed.

4th November: 2pm to 4:15pm

Location: Hostel 15 Mess.

Members present: Sheetal, Deepak.

Objective: Directions and Tumtum part done, what next?

Discussion: Consensus that map is becoming a headache.

Chetan not present, but has finished part of coding assigned to him and has mailed it to both of us.

Sheetal hands in direction 'getter'.

Deepak asked to continue work on graphics. He says text is being displayed, but formatting and button preparation is pending.

Chetan would be later asked to correct and complete map, using photoshop.

Outcome: Two functions ready, but of no use without MAP.

16th November: 2pm to 4:15pm

Location: Hostel 15 Mess.

Members present: Sheetal, Deepak and Chetan.

Objective: Moving towards a solution.

Discussion: Sudden realization that logo(also in .jpeg format) cannot be displayed!

Sheetal exclaims, "BIITMaps is failing..."

An idea comes simultaneously to everyone! We could use .bmp(bitmap!!) file. It can be displayed using CImg header file.

Great PERSISTENT Problem resolved!!!

Deepak suggests, after studying various graphics libraries, that graphics.h would be ideal. It is an old, simple but elegant way of displaying data.

Chetan continues working on map using photoshop.

Outcome: BIITMaps not a failure after all !

18th November: 8:30pm to 10pm

Location: Hostel 15 Sixth floor.

Members present: Sheetal, Chetan and Deepak.

Objective: MAP done, Work on menu and input!

Discussion: Chetan informs two map is complete and ready for use.

Deepak says only clicked input (one key or mouse) is allowed.

Deepak makes menu, exit interface and startup message.

Sheetal works on input within options of main menu.

Chetan asks Sheetal to fix bugs in nearest Landmarks function. He helps in deciding in what format and exactly what text should be displayed.

Outcome: Nearing end.

20th November: 8:30am to 1pm

Location: Hostel 15 Sixth floor.

Members present: Sheetal, Chetan and Deepak.

Objective: Help, Hangouts

Discussion: Deepak asked to work on Hangouts function.

Sheetal works Help.

Chetan works on preparing lists of input (time, source, destination...).

Running program generated.

Outcome: End of Coding Finally.

20th November-21th November: 10:30pm to 3am

Location: Hostel 15 Sixth floor.

Members present: Sheetal and Deepak.

Objective: Interfaces

Discussion: Deepak and Sheetal Together make interface proper and user-friendly.

Outcome: Some problems with I/O operations rectified.

23th November: 9:30pm to 11pm

Location: Hostel 15 Sixth floor.

Members present: Sheetal, Chetan and Deepak.

Objective: Test run, scanning each other's work, finalisation.

Discussion: All run the final code on their respective systems and try to locate any error.

Many bugs are rectified.

Code is finalised. All trial run yield proper results.

Each Team member has sense of satisfaction. Team leader Sheetal applauds everyone's efforts. Sense of calm on official completion of CS101 Project.

Outcome: Project successfully COMPLETED !

Total Hours put in (including individual and group work, excluding break time in group discussions) – 19.5