**Cost/Time Effort Distribution:**

The most crucial resource for the project here is time, it is the ultimate budget we have. Each person will spend about 5 hours a day in weekdays and 7 hours in weekends. we will have team meeting of duration 2 hours per week and a client meeting for an hour per week which adds up to the total and makes 42 hours.

For each person

Weekdays: 5 X 5 = 25

Weekend: 2 X 7 = 14

Team meetings: 1 X 2 = 2

Client meetings: 1 X 1 = 1

**Total: 42 hrs. per week**

Therefore, we are spending **42 hours per person** **per week** which makes a total of 42X7 = 294 hours per week per team. So, the total budget of the project as of now is 294X6 = 1,764 (6 weeks in GDP 1)

**Time Estimation for GDP 1:**

Per week per person: 42 X 1 = 42

Per week per team: 42 X 7 = 294

Total hours per team: 294 X 6 = **1,764 hours.**

Here, 6 is the total number of weeks the project is going to take in GDP 1.

In GDP 2, we are going to spend 15 hours per person per week i.e. 15X7 = 105 hours per week per team. Therefore, the total budget in GDP 2 is 105X14 = 1,260 (14 weeks in GDP 2)

**Time Estimation for GDP 2:**

Per week per person: 15 X 1 = 15

Per week per team: 15 X 7 = 105

Total hours per team: 105 X 14 = **1,470 hours.**

14 number of weeks for completing the project in GDP 2.

**Estimation of number of lines of code:** Our estimation for this project would be 7000 lines of code(approximately). Estimated 7000 counts from the research on the existing system and some of the friends working for these tools and employees working on these tools.

Avg. a person writes 1000 lines of code overall for the completion of this project. Which means typically a person writes 75 lines of code per week.

**No. of lines of code in GDP 2:**

Per week per person: 75 X 1 = 75 lines

Per week per team: 75 X 7 = 525

Total No. of lines of code per team: 525 X 13 = 7000 approx.

13 number of weeks which involves coding, testing as well as debugging.