# **Individual Report on your experience in the CS7CS3**

# **Group Project**

# **Group: *5***

# *Aman Ray*

# **THIS REPORT IS ENTIRELY CONFIDENTIAL.**

This report is intended for you to:

* provide a personal reflection on the overall success (or otherwise) of the group project
* evaluate your own contribution within the team
* evaluate the contribution of your team-mates
* indicate what you have learned from the experience

## ***1. Personal Reflection***

### **How successful do you think your project was?**

The project was really helpful in a way it covered all parts of the software development lifecycle. We were able to touch all the aspect namely documenting, designing and development. Additionally, extreme programming was a new innovative way for me to approch the project. After having previous software development experience mostly I have dealt with scrum methodology. But the advantage that extreme programming was notable.

### **Are there any changes your team could have made to improve the chances for success?**

* We could have planed a better way to implement machine learning algorithms. Online learning implementation would have been really helpful.
* We could organize Continuous Integration which can help us save the automatic deployment on the server.
* Time allocation in the initial phase was not correct and we realized it later and updated accordingly. So better time management could improve the overall quality of the process.

### **Are there any changes the CS7049 lecturer could have made to improve the chances for success?**

* The time allocation to the module was near about 20 hours which I felt could be shortened by some hours.
* During the weekly feedback meeting with the professor, we could have a better formal way of interacting and tracking progress so that we could analyze how well we are performing in the module.

### **In hindsight, would a different software process have suited your team better? If so, why?**

* I actually like extreme programming approach because it is more engineer oriented. Additionally, the strict practice of test-driven development helped in the later part of the deployment and avoided any unwanted pieces of code.

### **Any other comments**

This module is structured in such a way that anyone (a fresh graduate or experienced person) taking the course gain from it. From a experience professional perspective, I was able to learn a new approach to implement the software development process.

## ***2. Evaluation of Your Contribution***

### **Technical**

I was able to contribute to the team in many ways. Following are some of the areas where I think I made most of the contribution:

* UI development
* Server-Side Development
* Formation of the architecture of the web application

The software development experience helped me to bring out my previous experience in the best use.

**Management/Process**

Addition of a project management tool made the process of planning relatively easy. I was able to plan and estimate the timeline of the issue or the development which helped the whole team in a great way.

### **Morale**

My optimistic altitude came into help while implementing the project. As there is always an innovative way to implement a design in a application but completing the requirement in the given timeline still overcome everything

### **Any other comments**

Extreme programming helped to understand the new approach of the agile methodology. Going forward I can take the initiative in the organization and implement to have a better result.

## ***3. Peer Review of your Team-Mates’ Contributions***

### ***Ashutosh Sharma***

### **Technical**

Ashutosh SQL Skills and Tableau skills were most efficiently used in the whole project.

### **Management/Process**

As having a experience in the past he was able to bring many processes in the use which helped the team

### **Morale**

He was really good at time management which helped us to stay on time.

### ***Romaan Shaikh***

### **Technical**

He has the experience of many technologies which helped us in many ways. His deployment skills were of top-notch which helped us in completing the time-consuming task at quick rate

### **Management/ Process**

Being experienced in the past he was able to bring his project management skills into the use.

### **Morale**

He is calm and take all decisions after analysing all possibilities.

### ***Bhavesh Mayekar***

### **Technical**

Bhavesh was able to bring machine learning expertise to the team. He was able to execute many machine learning algorithms that helped us in the prediction.

### **Management/ Process**

Bhavesh have good documentation skills. He could articulate complex concept into simple works on paper.

### **Morale**

Bhavesh has eager to learn attitude which helped him to gain many software development concepts fromthe project.

**Any other comments**

### *Udita Retharekar*

### **Technical**

Being from a developmen background. Udita was able to bring her UI expertise into the team. She also contributed to the server side part of the code.

### **Management/ Process**

Udita would timely bring out some new ways to implement existing process. This helped the team a lot.

### **Morale**

Udita is very optimistic and a quick learner

### ***Lal Singh Dhaila***

### **Technical**

Lal has great analytical and data modeling skills. He helped the team to implement time series data for the prediction which was new for each of us. Additionally, his QA skills were used occasionally in the project.

**Management/ Process**

Having a past experience of Quality Assurance. He was able to bring his management skills into the process implementation.

### **Morale**

He was always keen on taking tasks. He is a jolly person which helped to calm the of the team.

### **Any other comments**

## ***4. Lessons Learned***

There were many things that I was able to gain from this module. But the best take away would be Extreme programming approach. This approach helped me to work in a better way in pair. Also, test driven development helped in minimizing the bug count at the later stage of the project. It aslo helped in building great team bonding as each person in the team gets to work with the other one.