**Portfolio for Self Directed Learning for Major Project Work**

**Name of Student: ........…………………………………………………………….**

**Semester: …………………………………………………………………………..**

**Programme / Branch: ………………………………………………………………**

**Roll No: …………………………………………………………………………….**

**Title of the Project:**

**……………………………………………………………………………………….**

**Name and Designation of Project Guide: ……………………...………………………………………………………………..**

**Name of Institute: ……………………………………………………………………………………….**

**After Finalization of Project Topic & Formation of Project Team**

**(Answer to the following questions to be included in ‘Portfolio’ as reflection related to formation of group and finalization of project topic).**

1. **How many alternatives we thought before finalizing the project topic?**

**Ans.** Before finalizing the project topic, following are the alternatives we thought:

1. Video Streaming Application

2. Car Rental Service

3. React UI Framework

1. **Did we consider all the technical fields related to branch of our diploma programme?**

**Ans.** Before finalizing our topic for the project, we searched project on different domains covering all technical fields. We covered different topics like Internet of Things, Artificial Intelligence, Machine Learning, Data Science, Data Mining, Cloud Computing and many more.

1. **Why we found present project topic as most appropriate?**

**Ans.** It is the need of the hour as there is no similar technology available.

1. **Whether all the group members agreed on the present project topic? If not? What were the reasons of their disagreement?**

**Ans.** There were some disagreements initially for other topics but for our present topic, there was none.

1. **Whether the procedure followed in assessing alternatives and finalizing the project topic was correct? If not then discuss the reasons.**

**Ans.** While assessing alternatives and finalizing the project topic our HOD played a vital role. She suggested our topic and gave us proper guidance on how to complete our project. She told us to refer various IEEE papers published on similar topics and report her back. Hence, the procedure followed in assessing alternatives and finalizing the project topic was correct.

1. **What were the limitations in other alternatives of project topic?**

**Ans.** Car Rental Service: The hardest part was to set up a real payment system with real-time maps

Video Streaming Application: The hardest part was to come up with a new feature in streaming that could rival the likes of YouTube a multi-billion-dollar company.

1. **How we formed our team?**

**Ans.** Since the three of us went to the same gym and the same industry during our Industry Training so we decided to learn web development and formed a team together.  
Group Members:

1. Abdurrahman Qureshi 210451
2. Oaish Qazi 210455
3. Shaikh Mohammed Hussain 220486
4. **Whether we faced any problem in forming the team? If yes, then what was the problem and how was it resolved?**

**Ans.**  We initially thought that the group would comprise of 4 members and so we planned accordingly but we were disappointed to know it later that the maximum group strength is 3.

1. **Am I the leader of our project team? If yes, then why was I chosen? If not, why I could not become the project team leader?**

**Ans.** Yes, I am the Group Leader. I have team-management qualities and excel in leadership-qualities.

1. **Do I feel that present team leader is the best choice available in the group? If yes, then why? If not then why?**

**Ans.** Yes, I am capable of leading my team.

1. **According to me who should be the leader of the team and why?**

**Ans.**  Present group leader should be and is already the leader of the team.

1. **Can we achieve the targets set in the project work within the time and cost limits?**

**Ans.** We think we can achieve the targets that we set in the project work within the time and cost limits. We believe that earlier start can help us to complete the project much earlier and in turn will save our time and cost.

1. **What are my good/bad sharable experiences while working with my team which provoked me to think? What I learned from these experiences?**

**Ans.** Working with the present team is much easier as we understand each other very well. A good sharable experience while working with my team is that we know each other’s weaknesses and strengths which allows us to assign the task to the right person. But, when the job is quite difficult, we as a team try to solve it where each one of us put equal efforts.

1. **Any other reflection which I would like to write about formation of team and finalization of project title, if any?**

**Ans.** As mentioned earlier, we all are satisfied with team formation and project topic finalization. We just need to give our best and make this project live as soon as possible. We didn’t get to face difficulties in the above activities.

**After Finalization of Project Proposal**

**(Answer to the following questions to be included in ‘Portfolio’ as reflection on planning)**

1. **Which activities are having maximum risk and uncertainty in our project plan?**

**Ans.** As we are the first group implementing this project. The activity having higher risk is to find the correct way in implementing the project. Once we find the correct way for implementing the project our task will become much easier.

1. **What are most important activities in our project plan?**

**Ans.** The most important activity or part in our project plan is working in new environment, new languages and to implement 3D Models on the web which has the major role.

1. **Is work distribution is equal project group members? If not? What are the reasons? How we can improve work distribution?**

**Ans.** We first classified the activities, we need to complete for project development. After classifying the activities, we distributed it among us. While distributing the activities, we assigned the activity to the group member who is good in it. That’s where the disparities arise, that each member is good at something but that something may not have that much role in the project, So the work distribution is not equal but fair enough.

1. **Is it possible to complete the project in given time? If not, then what are the reasons for it? How can we ensure that project is completed within time?**

**Ans.** After classifying the activities, we assigned them the minimum time required for their completion. After summing up, the time required by all the activities we can conclude that we can complete the project in the given time.

1. **What extra care and precaution should be taken in executing the activities of high risk and uncertainty? If possible, how such risks and uncertainties can be reduced?**

**Ans.** While executing activities with higher risk, we should put up more efforts and all the group members should contribute to make the activity less effective. Activities with higher risk should be started earlier in case it requires more time.

1. **Can we reduce the total cost associated with the project? If yes, then describe the ways.**

**Ans.** Developing a website requires use of many technical tools. They may be paid software’s and working with them might be difficult and costlier. So, we need to find the best alternative which can provide us the same features and reduce the cost associated with the project.

1. **For which activities of our project plan, arrangement of resources is not easy and convenient?**

**Ans.** For implementing our project, we require software like Figma, WebStorm IDE, Blender, VS Code, etc. which only runs on high end computer systems. But we will find ways to overcome this problem.

1. **Did we make enough provisions of extra time/expenditure etc. to carry out such activities?**

**Ans.** As we have assigned the minimum time required by an activity, so we can make a prediction on how much time our project needs to get completed. Activities which require more time can be started earlier and finished without any delay in the completion of the project.

1. **Did we make enough provisions for time delays in our project activity? In which activities there are more chances of delay?**

**Ans.** As mentioned earlier, we require more time in project implementation as we are the first people implementing the project. So, we are well prepared that we start the implementation part earlier so that it doesn’t delay our project completion.

1. **In our project schedule, which are the days of more expenditure? What provisions we have made for availability and management of cash?**

**Ans.** In our project schedule, implementation activity requires more expenditure in both effort and cost as it might require paid applications and paid IEEE papers. It will require more effort and equal contribution of each group member.

1. **Any other reflection which I would like to write about project planning?**

**Ans.** In project planning, we distributed the project work and searched for the best possible way to complete our project. Some activities which require more time and effort should be started earlier with proper planning.