**Project Management process and use of Quality Research**

***Purpose-***

Evaluate the value of the project management process i have carried out and use of quality research to meet stated objectives of my project to support my own learning and performance. This report needs to be supported by wider reading.

***What is Project management process ?***

Project management is the process that undertakes methods and requires knowledge and skills with the required experience to achieve the desired objectives of the project.

***According to the Internet -***

### **PROJECT MANAGEMENT**

***A project is a unique, transient endeavor, undertaken to achieve planned objectives, which could be defined in terms of outputs, outcomes or benefits. A project is usually deemed to be a success if it achieves the objectives according to their acceptance criteria, within an agreed timescale and budget.***

In-text: (Apm.org.uk, 2019)

Your Bibliography: Apm.org.uk. (2019). ***What is project management?*. [online] Available at: https://www.apm.org.uk/resources/what-is-project-management/ [Accessed 24 May 2019].**

***What is Quality research ?***

A good Quality research covers all the aspects of a given topic, It demonstrates the professional overview of the subject and given the reader an idea about different opinions from other interpreters.

***According to the Internet -***

**Quality research**

*Research comes in many shapes and forms. It employs qualitative, quantitative and/or mixed methods depending on the research question being asked. Data also comes in many shapes and forms and not all of it qualifies as ‘research’ or ‘evidence’. Without trying to summarise the...*

In-text: (Centre, 2019)

Your Bibliography: Centre, S. (2019). *What is good quality research?*. [online] Saferinternet.org.uk. Available at: https://www.saferinternet.org.uk/research/what-good-quality-research# [Accessed 24 May 2019].

### **Project Management process Undertaken -**

**Stage 1 - Secondary Research using the internet, journals and newspapers -**

I started the project by first undergoing a small secondary research which involved understanding Artificial intelligence. Later after going through the research I decided that the topic would be A.I in cars. Once the topic was decided I started with a small scale research on the topic by referring websites and research papers. This is the secondary research method i undertook as it is more reliable according to Stella Cortell. Then i prepared a short report about the topic mentioning the “Aims and objectives” about A.I in cars.

**Stage 2 - Producing a Project plan -**

Before starting the research process i prepared a project plan using MS Project which helped me set the time and date that i needed thing done by and started setting deadlines for each task, and kept updating my logbook as i progresses further. As i completed each task i checked it off with a tick mark next to it. And also reviewed it with the teacher which gave feedback accordingly.

**Stage 3 - Gantt Chart used to breakdown tasks -**

Project plan helped set objectives and goals to achieve it before the deadline. This just overviewed the project with Subheadings beneath every task. This also represented the milestones for each part of the tasks and set benchmarks which helped track my progress as i moved on with the research project. I linked every task to get a graph which shows the tieline for each task and how long i will need to spend before moving on to the next one.

**Stage 4 - Producing comprehensive project plan using Gantt Chart -**

I broke down every task even further within the Gantt Chart which helped analyze every aspect of the tasks.This really made things easier to manage and helped me focus on specific tasks which needed intensive secondary research. I set milestones schedules and project schedules for monitoring and completing the aims and objectives of the project using Ganter by including resources and risks. I also provided evidence of the project plan with the help of MS Project for more information.

**Stage 5 - Preparing Project Logbook Records -**

I maintained a logbook which was updated every so often, after completing every task made remarks about certain difficulties that i might have faced while researching and struggles i had to encounter with certain research data that i had to collect which was required. It also documented the tasks which had been completed and had i managed to fulfill the task requirements. It kept track of task completed on the deadlines set for each task. It contains the risk and issues which were identified during the research, the risk and issue identified with the lack of skills required for undertaking the research, the problems encountered such are barriers faced and how i overcame them, having new ideas and changes of the project direction, also documenting self reflections and things that i have learnt every week, also points to consider while dealing with tasks and problems, performance and how i contributed them, Improvement in the future, learning applied in the future, Task priorities, sufficient time set aside for project completion and project status.

**Stage 6 - Small Scale research carried out -**

I have carried out a small scale research using the secondary research method which i undertook as it is more reliable according to Stella Cortell. I also prepared a short document containing the research information and sources about my project on A.I in cars. I have collected 10 research materials and harvard referenced them accordingly. This was a list of resources which i have consulted and gathered the data from using secondary research method.

**Stage 7 - Evaluate the accuracy and reliability of different research methods applied -**

To complete this project successfully I used the triangulation method. It is very important as data researcher to move in the right direction while doing or completing a research. Incase, there is wrong data obtained then there are chances that you may deviate from the main point of the project. Even while entering the data to create graphs it must be properly reviewed as any incorrect number or an extra zero added can change and affect the entire graph. Even data input into a wrong category can destroy data reliability. I used **Triangulation method** while doing my research I always obtained data from one source and then cross checked it from other available sources before making a final decision. This helped me move my research into the right direction. It also helped me to gain the confidence that the research I am doing is going in the right direction.

**Stage 8 - Analysis of research data using appropriate tools and techniques -**

I gathered statistical data using secondary research method which was about A.I in cars and prepared a table which stored all the values in it using XL Sheet. From that table i prepared a graph chart showing the statistics of the data using the research data. I have prepared 3 graph charts shows the different cases of A.I cars showing their values presented in the form of Graphical statistics.

**Stage 9 - Research data presented in a presentation with evidence and extra notes -**

After preparing the Graph charts for A.I cars, i've prepared a presentation about the objectives and features of A.I in cars, how it A.I cars benefits the public, what are the challenges faced when implementing A.I in cars, The statical data of how the A.I cars are viewed by the public, the moral and critical issues of A.I in cars if they might work together with people or cause massive destruction to the public. Also what are the advantages and disadvantages of A.I in cars.

**Stage 10 - Evaluate the selection of appropriate tools and techniques for accuracy and authenticity to support and justify recommendations.**

Most of the research to complete the project was based on secondary research. I have prepared a report that will cover how I used secondary research to complete my project. I used **Primary sources** that would include of material that originated from the time and place of that event being investigated. And **Secondary sources** that would include any material or information written about the event usually sometime later. The advantages and disadvantages of A.I in cars, the impacts of A.I in cars to the society. I made my secondary research method i undertook as it is more reliable according to Stella Cortell. Once we have got our mindset cleared and understood clearly about primary and secondary sources it is becomes easier to understand how to select reliable data from secondary sources. In my case, research was not done randomly. This means, that the sampling methods used here would be considered non-probability sampling methods. A brief on the methods I used to sample the population. I referred to two research papers during the whole process of researching and data analysis. The research paper could be found attached within the document. The accuracy of data can be threatened if it is not obtained through qualitative methods. Therefore combination of qualitative methods such as HHI,KII and GFD help reduce errors and maintain the quality of the research. This is referred to as triangulation.

**Stage 11 - Reflection based on the research undertaken using Performance Review Template :**

I create reflection on the value of undertaking the research to meet stated objectives and own learning and performance by preparing a Performance Review Report. This Report goes through what the project accomplished, the project has actually been a success in its aims, as a small scale secondary research has been conducted using the internet, journals and newspaper reports, research data gather by other sources worked well as to was open to the pubic. Not enough research data could be found due to lack of knowledge, as well as getting lost at times, they were resolved by taking the help of the teacher. There would be time were i would be stuck at a particular task, but find a way around it to get to where i need to go. It has made me think about different new perspectives and made me question things. Communicating with other people as taking their opinions and comparing them with mine. Helped me make the right decisions to make the world a better place. Made me realise how the environment is constantly changing and adapting to new innovations. Working with other people definitely make it easier to go about solving problems when it would be difficult doing it yourself. I would consider myself an amature at my performance as my have not touched upon some topics. Definitely need practice in gathering research data and consider my sources to get the best out of the data. It has given me experience to take forward in my career, which will be really helpful in the future. It has made me go through different situations and tackling obstacles and overcoming them in the end. It has improved my skills and given me an edge to take up further tasks ahead.

**Conclusion -**

This report evaluates the value of the project management process that have been carried out and use of quality research to meet stated objectives of the project to support the own learning and performance. It also Reflect on the value gained from conducting the project and its usefulness to support sustainable organisational performance.