The present research will start from 1st May and will end on 30th August.

## **Aim-** The aim of the research is to develop the quality management and assurance in Electronic vehicles as well as assess the pros and cons effectively.

## **Objectives**

* To identify properly the implementation process of quality assurance for electronic vehicles
* To assess the possible pros and cons of quality assurance in EVs
* To analyse the possible issues and cases of quality management system by executing EVs
* To identify the effective strategies for making the quality developed in the implementation process of EVs

**Research questions**

* Why is it essential to identify properly the implementation process of quality assurance for electronic vehicles?
* What are the possible pros and cons of quality assurance in EVs?
* What are the problems or cases of quality management executed in EVs?
* How to identify effective strategies for making the development process in quality management in EVs?

Quality assurance in the electronic vehicle industry makes the process smoother by implementing new innovative strategies. By providing a new perspective in the recent business procedure the elaborative, minimising and pre-existing elements become developed and improve the business process.

**Rationale**

***What is the issue?***

It has been observed that the main problem in the EV industry is the development process which has increased at a high level and increased the issues such as issues regarding the battery, controlling climate change issues and the reliability problems. The implementation of the new electronic devices with high-efficiency power impacts the environment and causes harmful effects. These are highly responsible for the climate-changing processes

***Why is the issue***

It can be said that after the globalization process, the changes in the automobile industry have made an impact on the business process as well as on the environment. The changes have created some issues regarding the environment and the business procedure of electronic vehicles. The competition level in the global market has increased immersively and made many opportunities for the new business to enter the market. This has made the competition level more strong.

***Why is the issue in the present time?***

In the present time, it has become an issue as the increase of the innovative system has become increased and impacted the environment and made the competition level hard in the global economy.

**Data selection and Data collection**

In order to make the research study effective, the secondary qualitative research method will be involved and implemented successfully. For making the research effective the secondary qualitative data helps in collecting the data through different sources such as the scholarly articles, authentic databases, journals and others. The public library can also be included in the research process for obtaining the right and original data efficiently. All these resources will help in gathering the relevant data quickly and in an easy way. The current authentic data is required for the particular research process in order to get the right information and possible solution that can help in developing the quality management and give assurance to the customers. It will highly make benefit for the EV industry to increase their profit margin and improve the customer base.

**Participant demographics**

The demographics involve the age, race, income, employment, ethnicity and others. In the context of the EV industry, the participants can be the EV commercial brands.

**Analytical process**

It is an important part of the research study that needs to be implemented efficiently and make the business procedure increase. The data will be gathered through the secondary qualitative method. it requires to be analysed properly. It highly helps in the determining procedure of the method and techniques accurately. The analytical process will help in understanding the different levels of the several themes related to the research topic.

-Table: Project timeline and key outputs

| **Month** | **Activity** |
| --- | --- |
| May | Identifying the research topic |
| May | Literature review of the research |
| June | Methodological view |
| June | Data analysis |
| July | Findings and discussion |
| July | Conclusion and recommendation |
| August | Submission |

The data management plan is for managing the data which will be gathered through the secondary qualitative data collection process. The collected data will be managed through documentation and stored in the computer for further processes.

During this research, the data will be gathered from different scholarly articles and journals, authenticated sites and also through the public library. This will highly help in gathering much unknown knowledge on the quality management of electronic vehicles and assuring the customers on products and services efficiently. This will make the business process develop and improve the quality management of the organization.

The analysis and storage of the data should be accurate for making the research successful. The data based on the quality management of the EV industry and the possible advantage and disadvantage will make realise the strategies that need to be implemented for making a success and generate a positive outcome.

The data can be stored in three individual ways such as in a file storage, object storage and in the block storage.

In order to make the research more flexible and easy the development of the management plan need to obtain the specific elements in the research which will be involved in making the research become succeed and generating effective results.

The research datasets will include databases and spreadsheets in order to manage the data efficiently.

The ethics review process of students involves manipulation techniques to obtain informed consent before collecting the data. The human participation is required in order to observe and obtain authentic data from authentic resources.

The ethics review process for the staff the manipulation technique will be involved and obtain informed consent before gathering the data properly. Active participants will be needed the making the research become succeed.

The present research will be conducted through the secondary qualitative research method which will include the authentic website and scholarly articles, and journals in order to make the research succeed. The collection of authentic data makes the research effective. The Data Protection Act 2010 will be involved in protecting the relevant data gathered by the researcher.