Research Design

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**Research methodology**

Main goal of sun coast project is to create viable, perception arrangements dependent on broad experience. This method corporate adaptability to redo administrations according to needs and give transient help or support. Sun Coast gives the executive arrangements. For this project the methodology used was quantitative data collection.( Daniel et al., 2010) The reason for selection of this method is that it provides compact configuration, inspecting and check ideas. Due to information investigation and translation leads to research results. Through supposed assortment of measurable techniques, this data give substitute’s down to earth involvement and aptitudes focusing on investigative arrangement and understanding. Specifically, emphasis on determining suitable measurable techniques and their understanding for a security structure. Quantitative research consist of exploratory kind research. It was applied to intensify a comprehension of hidden reasons, stimulations and their conclusions. It gives knowledge of the matter or generates thoughts or philosophies for potential research. (Mason, 2017) The main reason for rejection of qualitative data collection was that it is very difficult to demonstrate the inflexibility of qualitative data. This process is very time consuming process so quantitative data collection save the time. That kind of data not accepted all the time. The main drawback of qualitative data is that they cannot represented statistically. To avoid all these problems quantitative data collection method was chosen. (Harries et al., 2002)

**Research designs**

Configuration of research can be categorized into two different types: exploratory and conclusive. By name exploratory research indicates only plans to investigate explicit parts of the examination zone .It may even alter the course of the investigation partially, anyway not on a very basic level, as indicated by new confirmations picked up during the exploration procedure. In this research exploratory research design was used. The reason for selection of this research design is that it provide insight generation of research problem that are health problems which includes noise pollution, air pollution etc. In this design data is collected in rough form and unstructured. This research design contained general data.

**Data collection**

Information gathering and collection is important for management of different projects. It act as the backbone for a wide range of choices to be made for management of projects. For understanding of project it is necessary to organize data. There are two method for collecting data one is through interview and other is through probability distribution. In this project interviewing method was to collect data. It was used to quantify the impact of sun coasts and projects objectives. Probability distribution method was not selected due to their specific class identification. In this specific class is identified. So due to monotony this method was not used.

**Sampling design**

Simple random sampling was used because it is a viable, low asset devouring strategy for inspecting. It was utilized in an assortment of circumstances as a dependable examining technique. The main purpose of selecting this method is that it is calculated in short time period. Less judgments were made in that type of designs. The reasons for rejection of strategic sample analysis was that sometimes supposition goes wrong. It is very cost effective method, to avoid cost this method was not used. (Lohr, 2019)

**Data analysis**

Correlation is a realistic procedure that can demonstrate how compact a connection between two factors. It is frequently utilized when two factors have a comparative development. For this project correlation method was selected. Strength and value of both variance are determined clearly by this method.( Ramsay,2004). Because it was measured not manipulated. It will identify the cause and effect of different researches. Due to this type of data more collection is done. Its results are relevant to everyday life.

**References**

Turner III, D. W. (2010). Qualitative interview design: A practical guide for novice investigators. The qualitative report, 15(3), 754-760.

Mason, J. (2017). Qualitative researching. Sage.

Elliott, E., Watson, A. J., & Harries, U. (2002). Harnessing expertise: involving peer interviewers in qualitative research with hard‐to‐reach populations. Health Expectations, 5(2), 172-178.

Lohr, S. L. (2019). Sampling: Design and Analysis: Design and Analysis. Chapman and Hall/CRC.

Ramsay, J. O. (2004). Functional data analysis. Encyclopedia of Statistical Sciences, 4.