TASK 4 – DEVELOPING OPERATIONAL FRAMEWORK

To obtain valid answers to the research problem through precision in research design and sampling design.

Sub-task:
(1) Select and describe an appropriate research design.
(2) Select and describe an appropriate sampling design.

ACTIVITIES (for Sub-task 1): Research Design

1. Examine carefully what information your research problem is asking you to provide:
   - (Survey) to explore, gain familiarity with or seek new insight into specific phenomenon?
   - (Descriptive) to describe accurately some characteristics of a specific research target (people/situation/organization/system)?
   - (Correlation) to determine the association of one phenomenon with another?
   - (Experimental) to pinpoint the cause of a particular phenomenon and establish a cause and effect relationship?
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ACTIVITIES (for Sub-task 1):

2. Determine which of the above is closest to what your research problem is looking for.

3. Analyze carefully the nature and requirements of the research problem in relation with the characteristics of the chosen research design.
   
   (Does it match its need in generating valid information to answer the research problem?)

4. If NOT, repeat activities 1-3 above. Otherwise proceed to the next activity below.

5. Identify your research design and describe the elements/activities involved in an easy-to-understand manner. Be brief, clear and specific. You may use figures.
   
   It is also desirable to justify your choice of the research design.
ACTIVITIES (for Sub-task 2): Sampling Design

1. Examine the research problem/questions again and determine the characteristics of the source(s) of the required data. This will be the population.

2. Draw an acceptable number from the population (if it is too big). This research sample represents the characteristics of the population.  
   *(Be realistic without sacrificing the validity)*

3. Select and describe the most appropriate sampling design. Explain the steps involved in drawing your sample.
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EXPECTED OUTPUT:

A well-organized narrative description (supplemented by flow diagram or figures) of your:

(1) Research Design
(2) Sampling Design