Research Methodology

Region of Research

The geographical location for the study is Mumbai Region, in State Maharashtra. Since Mumbai being the Indian business hub and the technology plays a very important role in modern business, day to day work which is done only by the systems which consist of hardware and software applications. Thus the information security is a significant aspect which has to be taken into consideration while dealing with decision making process because the information always transforms from one place to another in this competitive business world. The security of this information has to be maintained efficiently.

Research Design

The research conducted shall be of Descriptive and Analytical in nature

The research design and the steps adopted in research methodology kept in focus the objectives set for the study and the general hypothesis of the study. The numbers of Null hypothesis were formed for the study shall be also subjected to statistical method of testing. The objectives, general hypothesis, different null hypothesis become the center of research methodology to fulfill the purpose of the research.

The different reputed organizations, Banks and other Financial Institutions, Data Centers, software developing and testing organizations are covered in the study shall be around 2000 in numbers.

Sampling

The population of study consisted of the different reputed organizations, Banks and other Financial Institutions, Data Centers, software developing and testing organizations in the city Mumbai, state Maharashtra. Sampling shall be incorporated by involving different reputed organizations, Banks and other Financial Institutions, Data Centers, software developing and testing organizations. An attempt shall be made to have a larger sample size but response of the reputed organizations, Banks and other Financial Institutions, Data Centers, software developing
and testing organizations, samples may not much encouraging and are in large numbers in population under study. The sampling method incorporated is Convenient Sampling Method.

**Collection of Data**

The collection of data consists of both primary data and secondary data. The Primary data shall be collected by floating a structured questionnaire. Before finalizing the structured questionnaire, the questionnaire was subjected to pilot testing. By removing the difficulties the final structured questionnaire.

The secondary data was collected from the following sources.

- a. Books and Journals relevant to the study conducted.
- b. Published and unpublished research report.
- c. Unpublished data that came to the knowledge from the records of reputed Organizations, Banks, Financial Institutions, software developing and testing organizations and data centers.
- d. Various Websites of regarding Information Security and Risk Management.

The structured questionnaire consisted of Twenty Five questions. The questions having brief descriptive answers. The structured questionnaire shall be distributed to the various reputed Organizations, Banks, Financial Institutions, software developing and testing organizations and data centers. The responded questionnaire was subjected to editing so as to eliminate incomplete questionnaire and non-properly filled questionnaires. The study shall admit around 2000 questionnaires for future analysis and interpretation.

**Processing Of Data**

The edited questionnaires were recorded. The recorded data was subjected to classification. The data was classified on the following basis

1. Regular visit to CERT in sites
2. Organization Information Security Audits
3. Check list (Reserve Bank IS Audit)
4. Risk Management Audit (Insurance Audits)
5. Interview with HOD or organizations employees
6. ISO Certification companies

**Method of Reporting**

The research reporting text, consist of tables, bar diagrams and pie diagrams for providing effective understanding.