**FEASIBILITY STUDY**

The feasibility study is concerned with the consideration made to verify whether the system fit to be developed in all terms .Once the idea to develop software is put forward, the question that rises first will pertain to be the feasibility aspects. A feasibility study is conducted to select the best system that meets the system performance requirements. This entitles an identification description, an evaluation of candidate systems and the selection of the best system for the job. It also helps in identifying the risk factors involved in developing and deploying the system. So a feasibility study is a report which could be used by the senior or top persons in the organization. This is because based on the report the organization decides about cost estimation, funding and other important decisions which is very essential for an organization to run profitably and for the system to run stable. There are different types in feasibility study. They are:

**Technical Feasibility**

Technical Feasibility deals with the hardware as well as software requirements. We have to find out whether the necessary technology, the proposed equipment’s have the capacity to hold the data, which is used in the project, should be checked to carry out this technical feasibility A study of resource availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not.

The proposed system has been developed using **PHP** in front end and **MYSQL** in back end. There are latest versions of xamp available and it is free of cost. These languages are supported even in the latest operating systems. Therefore the system will be supported by all the windows based operating system. So we can say that the Virtual Learning system is technically feasible.

**Operational feasibility**

Operational feasibility refers to the measure of solving problems with the help of a new proposed system. It helps in taking advantage of the opportunities and fulfils the requirements as identified during the development of the project. It takes care that the management and the users support the project.

The software is operationally feasible as this system provides the necessary information to the user. The system was planned in such a way that no prior knowledge is required for the user to perform various operations. The user should have just basic knowledge about computers.

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##### Economical Feasibility

Economic feasibility is associated with, whether the system is economically feasible. The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which affect the development of a new system, is the cost it would require.

The following are some of the important financial questions asked during preliminary investigation:

* + - * The costs conduct a full system investigation.
      * The cost of the hardware and software.
      * The benefits in the form of reduced costs or fewer costly errors.

The software will be economically feasible. The hardware is already installed, so the hardware cost of the project is low. Software cost will be under budget. As the technical requirements will be met with the estimated budget so there will not be any issues in finance.