**FEASIBILITY STUDY**

A feasibility study is carried out to select the best system that meets performance requirements. Feasibility is the determinationof whether or not a project is worth doing. The process followed inmaking this determination is called a feasibility study. This type of study determines if a project can and should be taken.Since the feasibility study may lead to the commitment of largeresources, it becomes necessary that it should be conducted competently and that no fundamental errors of judgment are made.Depending on the results of the initial investigation, thesurvey is expanded to a more detailed feasibility study.

Feasibility study is a test of system proposal according to itsworkability, impact on the organization, ability to meet user needs, and effective use of resources.The objective of the feasibility study is not to solve the problem but to acquire a sense of its scope. During the study, the problemdefinition is crystallized and aspects of the problem to beincluded in the system are determined.All projects are feasible given unlimited resources and infinitetime. Unfortunately the development of computer-based system inmany cases is more likely to be plagued by scarcity of resourcesand delivery date. Hence, we have made use the concept of reusability that is what Object Oriented Programming (OOPS) is all about.Consequently, costs and benefits are described with greater accuracy at this stage.

##### Economical Feasibility

Economic analysis is the most frequently used method for evaluating the effectiveness of the candidate system. More commonly known as cost/benefit analysis, the procedure is to be determining the benefits and savings that are expected from a candidate and compare them with costs. If benefits outweigh costs, then the decision is made to design and implement the system A systems financial benefit must exceed the cost of developing that system. i.e. a new system being developed should be a good investment for the organization. The following are some of the important financial questions asked during preliminary investigation:

* + - * The costs conduct a full system investigation.

To assess economic feasibility, management has to analyze costs and benefits associated with the proposed project. The analyzing of cost starts from initial stage to the final stage. In this System the initial cost is the hardware and software specification. We can build our system with basic hardware and software. So that the cost is less.

* + - * The cost of the hardware and software.

The hardware and software cost include different factors. They are:

* End-user computer Hardware purchase costs
* Software license purchase costs
* Hardware & Software deployment costs
* Hardware warranties and maintenance costs
* Software license tracking costs
* Operations Infrastructure Costs
* Cost of Security Breaches (in loss of reputation and recovery cost)
* Cost for electricity and cooling
* Network hardware and software costs
* Server hardware and software costs
* Insurance costs
* Testing costs
* Cost to upgrade or scalability
* IT Personnel costs
* "C" Level Management Time costs
* Backup and Recovery Process costs
* Costs associated with failure or outage
* Diminished performance incidents (i.e. users having to wait)
* Technology training costs of users and IT staff
* Infrastructure (floor space) costs
* Audit costs
* Migration costs
  + - * The benefits in the form of reduced costs or fewer costly errors.

This project will be a simple platform for users to access services for their huge needs. It is completely free. Using this system large number people can solve their problems with free of cost. District Level School Kalolsavam system only needs a basically configured personal computer. So that the system is economically feasible to the users.

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##### Technical Feasibility

The system must be evaluated from the technical point of view first. . It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems. Technical feasibility also involves evaluation of the hardware, software, and other technology requirements of the proposed system. As an exaggerated example, an organization wouldn’t want to try to put Star Trek’s transporters in their building—currently, this project is not technically feasible

The system has been developed using PHP 7.3.1 in front end and mysqli back end. There are latest versions of sqlserver 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. For the Developing of the system we have used different scripting language such as CSS, JavaScript, and for designing we have used HTML5. So, we can say that the District Level School Kalolsavam system is technically feasible.

**OPERATIONAL FEASIBILITY**

Operational feasibility is mainly related to the human organizational & political aspects. This feasibility study answers questions like: Will the system be used if it is developed and implemented? Will there be resistance from users that will undermine the possible application benefits? To get the answer of these questions, many methods are used like interviews, questionnaire, records checking and observation. One or two persons who are familiar with information system techniques, who understands the business and who are skilled in system analysis and design, generally carry out this feasibility study. The essential questions that help in testing the operational feasibility of a system as follows:

**What changes will be made in the system?**

The new system will be fully automated and there will be no manual works. So that the District Level School Kalolsavam site will be time saving system. The data can be stored securely in Excel sheets. All the valid documents can be stored in pdf or in any other format, so that if any confusion occur in future it can be rectified

**What organizational structures are?**

The District Level School Kalolsavam system is used to control the full working of the Kerala school arts competition.

**What new skills will be required?**

The District Level School Kalolsavam system is fully automated system. All the works are computerized. So that the person using the system needs basic computer knowledge or else they can be given training.