# Digital Diary

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*Abstract-*
**Web designing is a process of conceptualizing, planning, and building a collection of electronic files that determine the layout, colors, text styles, structure, graphics, images, and use of interactive features that deliver pages to your site visitors. Everything about your website - including the content, the way it looks, and the way it works - is determined by the website design. This paper discusses the concept of website designing, some of the issues it tries to address, related research topics, and a "Website" implementation.**

**Introduction:-**

We have developed Digital Diary application to makes ease the work of users by this computerized software. By this application a user can store employee details, retrieve contact details, send mails, set events for important meetings of works on single platform? Thus the user can manage his contacts and daily working schedules through this application. This application avoids user to make manual contact diaries to store the contact address. A user who is working on system can set events for the important work while doing some another work. Events will remind him about that work. Employee also able to compose mails according to their suitability and if the employee or admin not want to send mails then it have a option for a drafts for saved mails. So, this application is convenient platform for a user to manage, contacts, daily work schedules and to enhance the punctuality of the user.

The management of the company decides to store the personal details of its entire employee. To perform this activity, the management decides to develop an application that resembles a digital diary. This the application which can be used as only for particular organization. User uses it in their laptop and desktops. It is short and precise application.
In this admin is also able to add employee and the mail is transfer to employee email id if the employee is successfully added.

During the past decade, increasing attention has been focus on the Technology of Computer software. As manual computing system becomes more numerous, complex the need for the systematic approaches development becomes increasingly apparent. The objective of project work-Digital Diary is designing a convenient frame work including Address Book, Mail System and Events Application to the user on one platform. A primary goal of this project is to develop good software to overcome the existing problem caused by manual systems. This application is developed for the users who want to store contacts, want to set events and mail system through single application. The users who have computer knowledge will get more advantage from this application. Although every care has been taken to check mistakes through verifications and validations, yet it is difficult to claim absolute perfection.

**Features:-**

- Send email by Digital Diary.
- User Friendly System Application.
- Online Storage and Secure.
- Network Based Service Provider Application.
- Reduce Effort and time.
- Send email at a time only on single click
- Options for changing a employee information
- Interface is easy to find person in list

**Problem Description:-**

It includes general factors that affect the product design and implementation in Digital Diary requirements and necessary features. Digital Diary requirements and specifications will be the main factor determining the design of the components since this is a single user product.

In Digital Diary, for sending mails to new employee we have to required SMTP server, IP, and SMTP Port No.
When we set the SMTP server, IP, and SMTP Port No. it will be ready to send the mail.

**Characteristics**:

**(1) View Status**
(a) View list of contact persons at once or differently.
(b) Can display all the upcoming appointments through reminders.
(c) Can display all the mails through inbox

**(2)           Change           Status:-**
(a) Options for changing person information.
(b) Interface is easy to find person in list.
(c) Options to edit employee information.

**System Study**

System analysis is a study of various operation performed by a system and their relationships within and outside the system. A key question is "what must be done to solve the problem?" One aspect of analysis is defining the boundaries of system and determining whether or not the proposed system should consider other related systems. During analysis data are collect from available files decision points, and transactions handled by the present system.
The logical system model and tools that are used in the analysis are Data Flow Diagrams (DFDs), data dictionaries and flow chart. The analysis part in the following page cover:

**Existing System with limitations**

Almost each person have their known's who are living apart from him having some contact details. It is a very complex task to store contact details manually at diaries and searching them page by page. A user also want to do some specific tasks in the future for that he always makes diaries or separate application with limited memory size to store specific dates . A person having large number of task to be done at different dead line dates also have to make manual entries in the separate applications or in the manual diaries. All these tasks are very time consuming and very complex.

**Limitations:-**

As seen clearly a lot of time is spent and much effort is made for managing contact details of the known future activities time and submission dates of the projects. In today's world which is growing, these all tasks should have take minimum effort and less time .But the present system does not support this .In the present system user install and operate on three different applications to complete about written task which is very difficult and complex.

**Proposed system with objectives:-**

The current system is a computerized one. The system which we have developed makes it easy for a user to maintain, search thousand of contacts, thousand of future activity upcoming events and thousand of future dead line dates for the projects through installing and operating on single application, as it provides:
Address Book- to store add and search contacts
Mail System- to compose and send mails
Upcoming Events- to create the events
So, this system is very convenient a user. It saves the time of the user makes his work easy with fast speed through operating on single application.
This application which provides user to maintain contact details, their present and future activities and their start and deadlines date of accomplishing any project through one platform with one application. A user can store contact details of any person and side by side can set reminder and compose mails.

**Advantages of Proposed System are:-**

- Fully works as a online
- Reducing the time
- Don't thinking
- Centralized maintain all information
- Easy to search the information
- Easy to managing whole events, mails, employee records.
- Easy to access to the events.
- The new system is more user-friendly, reliable and flexible.
- Timely event generation.

**Feasibility Study:-**

Feasibility study is a high level version of the entire system and design process. The purpose of

feasibility study is not to solve the problem but to determine if the problem is worth solving. It is conducted to select the best system that meets performance requirement. A system's required the identification of specific system objectives, and a description of out puts defines performance. Three key considerations are involved in the feasibility analysis:

- Economical feasibility
- Technical feasibility
- Duration feasibility

**Economical Feasibility**

It looks at the final aspect of the project. It determines whether the management has enough resources and budget to invest in the proposed system and the estimated time for the recovery of cost incurred. Digital diary project is economically feasible because the cost involved in purchasing the hardware and software are within approachable. The backend for storing other details is also the same database that is phpmyadmin. The computers in the organization are highly sophisticated and don't need extra components to load software. Hence the organization can implement the new system without any additional expenditure. So, it is economical feasible.

**Technical feasibility**

It is a measure of the practically of a technical solution and the availability of technical resource and expertise. The proposed system uses PHP as front-end and My Sql as a back-end tool.
MySql is a popular tool used to design and develop database objects such as table views, indexes. The above tools are readily available, easy to work with and widely used for developing commercial application.

**Hardware used in this project is**
- i3 core processor 2.4 GHz,
- 128 MB RAM,
- 40 GB hard disk,
- Floppy drive.

This hardware was already available on the existing computer system.

The software like Mysql, Xampp,Color spy,Notepad++ and operating system windows-7

used were already installed on the existing computer system. So no additional hardware and software were required to purchase and it is technically feasible. The technical feasibility is in employing computers to the organization. The organization is equipped with enough computers so that it is easier for updating. Hence the organization has not technical difficulty in addition this system.

**Tools used**
- MySql
- Xampp
- PHP
- Notepad++

**Duration Feasibility**

People are inherently resistant to change and computers have been known to facilitate the change. As estimate should be made of how a strong reaction the user is likely to have towards the development of a new system. As the proposed system is a user friendly package with all the visual aids, the effort that goes into the educating and training the user staff is almost negligible. Therefore, resistance to the proposed system is NIL.
- User Support.
- User will have all control over their own information.
- Important information such as policy can be generated at the click of a button.
- Important information, better management and collection of the events.

**Requirement Specification:-**

Software requirement specification (SRS) is the starting point of the software development activity. Little importance was given to this phase in the early days of software development. The emphasis was first on coding and then shifted to design.

As systems grew more complex, it became evident that his goals of the entire system cannot be easily comprehended. Hence the need for the requirement analysis phase arose. Now, for large software systems, requirements analysis is perhaps the most difficult activity and also the most error prone. The software project is initiated by the client's needs. In the beginning these needs are in the minds of various people in the client organization. The requirement

analyst has to identify the requirements by talking to these people and understanding their needs. In situations where the software is to automate a currently manual process, most of the needs can be understood by observing the current practice.

This project is intended to provide complete solutions for users who want to maintain records of employee using the internet as a sole medium. It will enable users to login and can do the registration or who want to register can register easily. Some initial functional requirements are described below:

## Software Requirement

For the development of this project. The various Software resources are used.

| | |
|---|---|
| Front End | : PHP |
| Back End | : MySql 5.0.10 |
| Web Server | : XAMPP |
| Technology | : Core PHP |
| Code-Behind Language : | HTML, JavaScript, jquery |
| Operating System | : Windows Family |

## Hardware Requirement

| | |
|---|---|
| CPU | : Core2Duo |
| CLOCK SPEED | : 2.8 GHz |
| MAIN MEMORY | : 1GB |
| SECONDRY MEMORY | : 40GB |
| CACHE MEMORY | : 1MB |
| MONITOR | : Color |
| FLOPPY DRIVE | : 4GB |

## System Design:-

System Design Document describes the system requirements, operating environment, system and subsystem architecture, files and database design formats, output layouts, screen design, human machine interfaces, detailed design, processing logic, and external interfaces.

The first step is to determine how the output is to be produced and in what format. Samples for the output are also presented. The second step is input data and master file (database) have to be designed to meet the requirements of the proposed output. The operational phases are handled through program construction and testing including a list of the programs needed to meet the system's objective and complete documentation.

- To identify the software components which satisfy the system design
- To design and document the software components and their linkage.

In this component the software components and relevant interfaces such as interactions with existing internal and external systems, network connections, Standard input and output formats are to be identified.

## System Security:-

Security is the main concept we have to provide in the project, so that unauthorized users cannot access or violate valuable information. In the present system we provide a logon screen which monitors the users. Admin can add employee then the id or password are sent to particular email id then only authorized user knows the Id or password. Each employee have their unique id or password that will helps in redundancy of employee record and Which helps the only authorized users can access the data.

## Checks and Control:-

Only authorized user can access the data. If admin insert new employee, then id and password are sent to employee email id and only valid employee will knows their email id and password.

At a time only one user can access the data on a browser if other user want to access the data then needs different web browser. Forms are properly validated then only authorized user can access the data. If a new employee enters the organization then he will coordinate to admin to insert the new employee. In insertion of new employee, if employee email address is not valid then the mail is not sent to employee email id.

## Conclusion:-

## Findings

Employees can able to send mails to their admin and other employee. Also we can include the upcoming events for both admin and employee. They can create events according to their suitability like birthdays or any organization event (meeting etc) as they want. Admin is able to add employee and if the employee is successfully added then the mail is sent to employee mail id. Session is applied, then only the logged in employee can access the application at

a time. If other user want to access then needs browser are different. This report gives an overview of all that one needs to get acquainted with in order to work with software project documentation specifically in the field of software development. It was a diverse and enriching experience to learn from developing a software and documentation in a team on our own. It was a diverse and enriching experience to learn from developing a software and documentation in a team on our own.

**Limitations:-**

- Recently Admin is not able to search the employee by search option (based on id or name).
- There is no trash option for deleted mails.
- Mails are permanently deleted from database.

**Scope for Future work:-**

In future, we want to insert the search option according to employee id or name. We want to insert the deleted mails in trash database. Also wish to insert the trash option for deleting mails. It was a diverse and enriching experience to learn from developing a software and documentation in a team on our own. This project helped us to enhance our skills in programming field of the software development. We learnt how to develop software, how to make requirement analysis, how to make feasibility analysis and how to document the same. On a whole, this project helped us to enhance our technical skills, teamwork, documenting skills.

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