WEBPAGE FOR IT STUDENTS

Minor Project Synopsis

Bachelor of Technology

Information Technology

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1 Introduction

Webpage for IT students is a webpage where a User can search out for all the students of a particular batch. This will make easy for the user to catch the information of any student like- name, father's name, mother's name, contact number, college roll no, university roll no and much more information. Rather than collecting information from different resources, this website is the solution. In this website we will give each student comments regarding his/her personality, achievements during the session. A user can also find the information of all the events organized by the students of IT Department, all the event organized by the IT Department. This website will help the Faculty to prepare the souvenir of Students easily and efficiently.

2 Objectives

1. To develop the software that covers all the important information of the students of a particular batch.
2. To enables Faculty to have the detailed information about any student.
3. To enhances delivery of quality of accessing the student's record.

3 Feasibility Study

A feasibility study is a preliminary study which investigates the information needs of perspective users and determines the resource requirements, determining the cost effectiveness of various alternatives in the designs of the information system, benefits and feasibility of proposed project. The goal of the feasibility study is to evaluate alternative systems to propose the most feasible and desirable systems for development. The feasibility of our proposed system can be evaluated as: -

4 Feasibility:-

Economic analysis is the most frequently used method for evaluating the effectiveness of a new system .Our system is also economically feasible. No special investment is needed to manage the application. No specific training is required for users to use the application. The software used in this project is freeware and open source, so the cost of developing the application is minimal.

5 Technical Feasibility:-

Technical feasibility focuses on the technical resources available to the organization. The technical feasibility also involves the evaluation of hardware, software, and other technological requirements. Our project is technically feasible because the required hardware and software needed for our project are available.

6 Operational feasibility:-

Operational feasibility involves carrying out a study to analyse and determine whether and to what extent the needs of the organization can be met by completing the project. Our project is trying to satisfy the business requirements by building a system which will help to manage over all expenses and income in a more efficient and manageable way. The requirements of the system are also very small therefore it is easy to operate in every environment. As all components needed to develop the proposed system are also available, the system will definitely work. Hence the project is operationally feasible.

7 Methodology

The sequential phases in Waterfall model are - Requirement Gathering and analysis - All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.

- System Design - The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.

- Implementation - With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.

- Integration and Testing - All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is

tested for any faults and failures.

- Deployment of system - Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.

- Maintenance - There are some issues which come up in the client environment. To fix those issues, patches are released. Also, to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

8 Facilities required for proposed work

Hardware Requirements

- Windows - 7 or above
- Ram - 2gb or above
- Processor - i3 or above
- Processor - i3 or above

Software Requirements

- HTML
- Bootstrap
- Visual Studio Code
- Materialize CSS
- Git and Github
- Font Awesome
- Google Font

9 Bibliography and references:-

References

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