Synopsis on

**Internship Management System**

Submitted in partial fulfillment for the award of the degree of

B.Tech (IT)

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7. INTRODUCTION

The "Internship Management System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed to carry out operations in a smooth and effective manner.

The application is developed to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Internship Management System, as described above, can lead to error free, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will save time and energy which are spending in making reports and collecting data and will help organization in better utilization of resources.

The organization has challenges to overcome and manage the information of company. This is designed to assist in strategic planning, and will help the organization to be equipped with the right level of information and details of company and students preferences. This system will ultimately allow you to better manage resources.

Internship Management System can be accessed throughout the college with proper login provided.

1. a. ORGANIZATION

Banasthali Vidyapith is the organization over here for which this website has been designed so that it will be easier for the placement cell to deal with the internship procedure and information.

About the organization: Banasthali Vidyapith aims at the synthesis of spiritual values and scientific achievements of both the East and the West. Its educational programme is based on the concept of "Panchmukhi Shiksha" and aims at all round harmonious development of personality.

Emphasis on Indian culture and thought characterized by simple living and khadi wearing are hallmarks of life at Banasthali

2.b.EXISTING SYSTEM

Before this website placement cell was using excel sheet for managing and storing the data of all the companies for internships.

The problems associated with it are:-

**User Bias**

However, the downside is that only the information that the user chooses for analysis is included in these presentations, and therefore, other pertinent information that may influence decision making might be excluded, unintentionally. To make reporting of data more user friendly and comprehensive, placement cell is choosing to use website, instead of relying solely on the spreadsheet.

**Calculation Errors**

While Excel's automatic calculation functions make most large-scale batch calculations easy, it isn't foolproof. Excel has no means of checking for human error during data entry, which means that the wrong information can skew all the results, sometimes disastrously.

2.c. PROPOSED SYSTEM

In our proposed system, Placement team can use this system for generating company detail report. It provides facility to students to fill their company preferences. Placement team can create, modify or delete data of company as per requirement.

There will be three major components:

1. Add Company

2. View Company

3. View Student Preferences

Proposed system provides with following solutions:

1. It provides "better and efficient" service to placement team.

2. Reduce the workload of placement team.

3. Faster retrieval of information about the desired company.

4. Provide facility for proper monitoring of student preferences and provide data security.

5. All details will be available on a click.

1. REQUIREMENT ANALYSIS

3.a. Requirement Specification

Functional Requirement:

**Admin Module**

1. Dashboard: In this section, admin can see all details of companies like the location of the Organization, Information regarding Paid or Unpaid Organization.

2. Company Detail: In this section, admin manages companies' information (add and update).

3. Manage Users: In this section, admin can update details of registered users and also block them.

4. Website Setting: In this section, admin can update about us . Admin can also update his profile, change password and recover password.

**User Module**

In this module there is one type of user: registered user.

Registered Users can do following activity:

1. Manage the information of the company (Create, Read, Update, Delete)
2. Update his/her own profile.
3. Registered user can also recover his/her own password.

3.b. H/W And S/W Requirements

1. H/W Requirements

**Client Side**

● Processor: Intel Core i3 or above

● RAM: 512 MB or above

● HDD: 512 MB or above

**Server Side**

● Processor: Intel Core i3 or above

● RAM: 2 GB or more

● Storage space: 2 GB or more

1. S/W Requirements

**Client Side**

● Web browser: Google Chrome or Internet Explorer 10 or similar browsers

● Operating System: Any Operating Systems which is compatible with above mentioned browsers

**Server Side**

● Operating System: Windows 7/8//10 or above

● Database Server: MySQL 5.0

● Server: Xampp 8.1.2

**Developer Side**

● Operating System: Windows 7/8//10 or above

● Backend: MySQL 5.0, PHP 8.1.1

● Server: Xampp 8.1.2

● Front-end: HTML, CSS, JavaScript, Bootstrap

● Tools used: Microsoft Visual Studio Code / Sublime Text 3

● Web Browser: Google Chrome or Internet Explorer 10 or similar browsers

1. FEASIBILITY STUDY
2. Financial Feasibility

Since the project doesn’t consist of any multimedia data transfer, bandwidth required for the operation of this application is very low. The system will follow the freeware software standards. No cost will be charged from the potential customer. At the initial stage the potential market space will be our university.

From this it is clear that Internship Management System is financially feasible.

* 1. Technical Feasibility

Internship Management System is a complete web based application. The main technologies and tools associated with it are:

1. XAMPP
2. PHP
3. MySQL
4. JavaScript
5. HTML
6. CSS
7. Bootstrap
8. VS Editor/Sublime Text3

Each of these technologies is freely available and technical skills are manageable. From this it is clear that Internship Management System is technically feasible.

* 1. Resource Feasibility

Resources required for IMS project includes:

1. Programming Device (Laptop)
2. Hosting Space (freely available)
3. Programming Tools (freely available)
4. Programming Individuals (Group 2 members)

Each of these resources is easily available and is free of cost.

* 1. Risk Feasibility

1. Estimated Size of Product in line of code

Being a web application with many stakeholders, IMS will contain significant amount of code lines. As the system doesn’t contain multimedia aspect, the file size will not exceed 200 MB.

1. Size of database created or used by the product

Database size will not exceed the values supported by MySQL (65526 entries per table).

1. Users of the project

* ADMIN
* Placement Cell
* Placement Officer
* Students

1. WORKPLAN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Key Action Steps** | **Timeline** | **Expected**  **Outcome** | **Data Source and Evaluation Methodology** | **Person/Area Responsible** |
| Goal 1. |  |  |  |  |
| Database  Creation | 15-01-2022 | Created 3 tables | * Data from excel sheet * Used MySQL | Diksha, Prakriti, Priyadarsini, Nalini |
|  |  |  |  |  |
| Goal 2. |  |  |  |  |
| SRS-SDS | 21-01-2022 | Documentation  of the Project | * Tables and Modules * Description form database * All diagrams with the help of tables | Diksha, Prakriti, Priyadarsini |
|  |  |  |  |  |
| Goal 3. |  |  |  |  |
| Frontend | 26-01-2022 | Full frontend of both admin and student | * Html, css, javascript | Prakriti, Nalini |
|  |  |  |  |  |
| Goal 4. |  |  |  |  |
| Backend And Connectivity | 06-02-2022 | All pages connectivity and operation at backend | * Php, phpmyadmin | Prakriti, Nalini |
|  |  |  |  |  |
| Goal 5. |  |  |  |  |
| Merging of all pages | 16-02-2022 | Full project and all pages merged and full running project | * Any text editor * Php myadmin | Nalini |
|  |  |  |  |  |
| Goal 6. |  |  |  |  |
| Ppt, Report, Synopsis | 22-02-2020 | Report and Overview | * Ms word | Ppt- Priyadarsini,  Report – Prakriti, Synopsis – Diksha |

**6) References**

1. **Books**
2. PHP: A Beginner’s Guide First Edition, By Vikram Vaswani, McGraw-Hill Education.
3. The Joy of PHP Programming Fifth Edition, By Alan Forbes, Plum Island.
4. Software Engineering 3rd and 4th edition, By Roger S Pressman, Tata McGraw-Hill.

**B. Websites**

1. https://creately.com/blog/diagrams/uml-diagram-types-examples/
2. <https://www.tutorialspoint.com/uml/uml_activity_diagram.htm>
3. <https://www.academia.edu/34291111/Internships_Management_System>

4. https://code-projects.org/internship-management-system-in-php-with-source- code/