Student Engagement and Satisfaction with a College Departments Internship Portal

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Abstract: The internship program provides an excellent opportunity for budding scholars to familiarize themselves with the process of formulation of foreign policy and its implementation by the Government. Interns shall report to and work under close supervision of the concerned Head of Division (HOD). They may be required to conduct research, write reports, analyze evolving developments, or carry out any other task entrusted to them by the HOD. An honorarium of INR 10,000 per month will be paid to each intern to defray basic costs. Cost of one-time to and fro air travel subject to a ceiling of the prevailing economy class air fare between the State capital and Delhi, from the domicile State or from the college / university of the selected candidates will be provided. The interns would be responsible for their board and lodging in Delhi during the period of their internship.Every student is individually responsible for finding an internship. This implies actively seeking such a placement and directly contacting the organizations that you are interested in. We advise students to start searching for internship early on, as there may be early deadlines for some of the most attractive places. Internship ads are found in the university portal. It is allowed to receive payment from the internship organization.

When contacting organization. you have the option of using our introductory letter presenting the master's program . Please download and complete with your details before sending it to the student officefor signature. The letter of introduction may be used as a complement to the CV and personal letter that you send to potential internship organizations.

KEYWORDS: HTML, CSS, Javascript, Bootsrap, C# , SQL SERVERIntroduction

An internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional or community setting.

National Internship Portal also known as NIP is an online platform that provides internship opportunities to students and youth

Internships shall also be open to students who are presently in the final year of their graduation, where an internship is a mandatory part of their final year curriculum. Age of the candidates should not exceed 25 years as on 31 December of the year of internship.

Based on the results of testing this system can run as planned and meet the procedure as an information system that can be used to facilitate the process of guidance apprenticeship programs between students, teachers and coordinators. This system can solve some of the problems that typically occur in internal data management such as: industry management, apprenticeship sessions, expertise competencies, users, students, supervisors, registration, placement, guidance, daily journals, assessments, information graphs and damage or loss of reports.

I.   Proposed Work

The internship program provides an excellent opportunity for budding scholars to familiarize themselves with the process of formulation of foreign policy and its implementation by the Government.   Interns shall report to and work under close supervision of the concerned Head of Division (HOD). They may

be required to conduct research, write reports, analyze evolving developments, or carry out any other task entrusted to them by the HOD..

Pilot Implementation and Evaluation: The developed carpooling system will undergo a pilot implementation phase in collaboration with local stakeholders, such as employers, universities, and transportation agencies. Feedback will be collected from users, drivers, and administrators to evaluate the system's usability, effectiveness, and impact on transportation sustainability metrics (e.g., vehicle miles traveled, emissions reduction, mode shift).

Scalability and Expansion: Upon successful validation of the pilot implementation, efforts will be made to scale up the
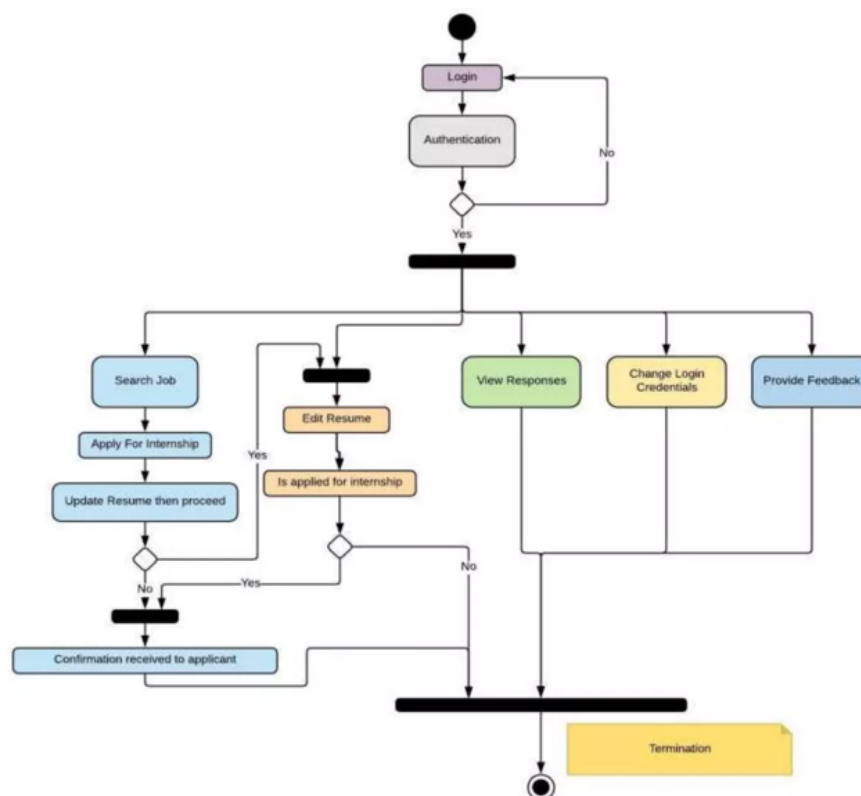

Fig. 1: Activity Flow Diagram

2.1 Data Collection

a college department internship portal is basically a platform where students and the Head of the Department (HOD) can interact and manage internship-related activities.

Data collection in this context would involve gathering information from students about their internship preferences, skills, and availability. The portal would also collect data from the HOD regarding internship opportunities, requirements, and feedback on student performance during internships.

In essence, the portal acts as a bridge between students seeking internships and the department facilitating and overseeing the internship process. It helps streamline communication, track progress, and ensure a smooth internship experience for students.

2.2 Validation set

The validation set on the department internship portal for students and the Head of the Department (HOD) is a crucial component.

In this context, the validation set refers to a subset of data that is used to evaluate the performance and accuracy of the internship portal system. This set of data helps ensure that the portal functions correctly and provides reliable results when students and the HOD interact with it.

By using the validation set, any issues or errors in the portal's functionality can be identified and corrected before it is fully implemented for all users. It acts as a quality control measure to guarantee that the portal operates smoothly and effectively in facilitating the internship process between students and the HOD.

2.3 Testing set

The testing set panel or dashboard on the internship portal for students and the Head of the Department (HOD) is like a control center that provides a visual representation of how the system is performing when students and the HOD interact with it
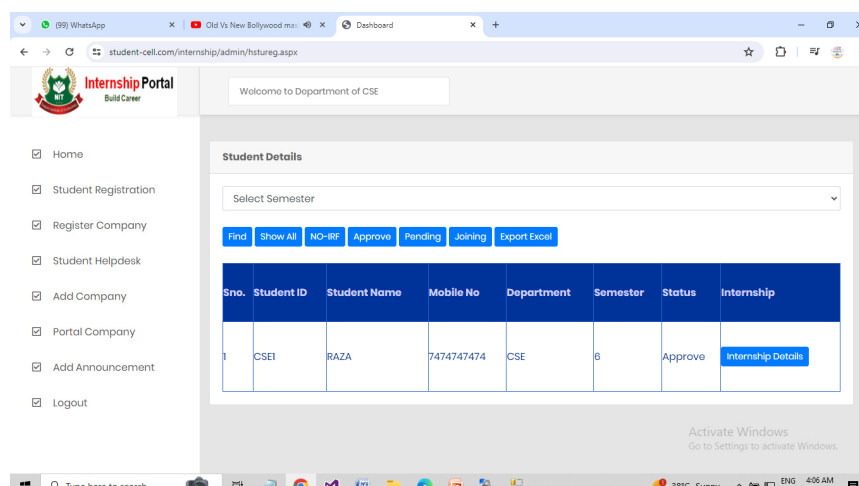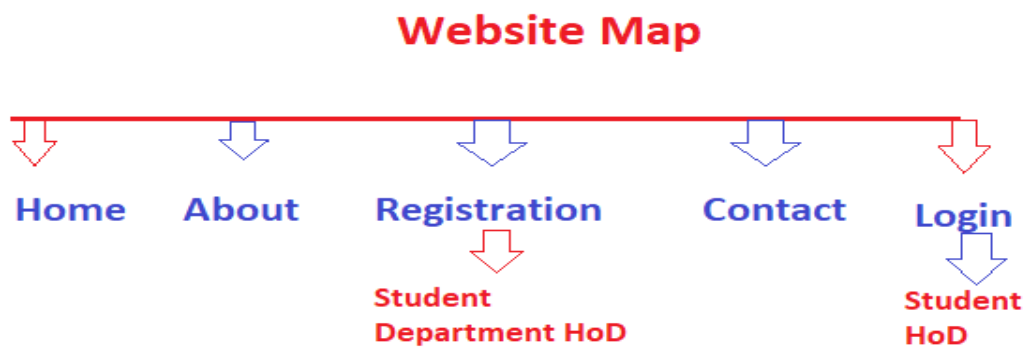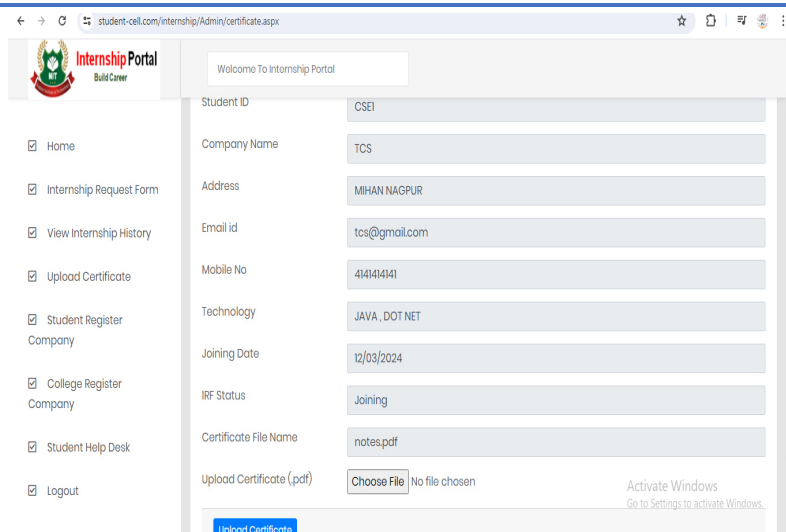

Fig 2. Student Panel/Dashboard

Fig 2. HOD Panel/Dashboard

IV. RESEARCH METHODOLOGY

Research methodology on the department of the internship portal for both students and the Head of the Department (HOD) refers to the systematic approach used to study and improve how the portal functions. It involves steps like setting research objectives, reviewing existing literature, collecting data from users, analyzing the data, implementing changes, testing them, evaluating the results, and making iterative improvements. This methodology helps in understanding user needs, enhancing communication, improving the application process, and overall user experience on the portal

Data analysis on the department of the internship portal for both students and the Head of the Department (HOD) involves examining the data collected from the portal to gain insights, identify patterns, trends, and make informed decisions. It includes processes like cleaning the data, organizing it, performing statistical analysis, creating visualizations, and drawing conclusions to improve the functionality and user experience of the portal. Data analysis helps in understanding user behavior, evaluating the effectiveness of the portal, and making data-driven decisions to enhance communication and overall performance.

Result interpretation on the department of the internship portal for both students and the Head of the Department (HOD) involves making sense of the data analysis findings to understand what the data is telling us. It includes explaining the patterns, trends, and insights discovered from the data analysis process. This interpretation helps in identifying areas of improvement, making informed decisions, and implementing changes to enhance the functionality and user experience of the portal.

Detail Description of Technology Used

Front and back end developers work on different sides of a website. Front end development is programming which focuses on the visual elements of a website or app that a user will interact with (the client side). Meanwhile, back end development focuses on the side of a website users can't see (the server side).

Front End :

Net comprises both frontend and backend languages. As for example, ASP.NET is used as backend and C# & VB.NET are used for frontend development.

What is ASP.NET used for?
ASP.NET is a **free web framework for building great websites and web applications using HTML, CSS, and JavaScript**. You can also create Web APIs and use real-time technologies like Web Sockets

What is ASP.NET in C#?

ASP.NET is **a web application framework** developed and marketed by Microsoft to allow programmers to build dynamic web sites. It allows you to use a full featured programming language such as C# or VB.NET to build web applications easily.

1. **CLR (Common Language Runtime)** : It is a run-time environment which executes the code written in any .NET programming language. .Net framework provides the support for many languages like C#, F#, C++, Cobra, Jscript.Net, VB.Net, Oxygene etc
2. FCL (Framework Class Library) : A large number of class libraries are present in this framework which is known as FCL.

3. Types of Applications : Mainly the applications which are built in .Net framework is divided into the following three categories :

WinForms : Form – Based applications are considered under this category. In simple terms, we can say client based applications which read and writes the file system comes under this category.

ASP .NET : Web-Based applications come under this category. ASP.Net is a framework for web and it provides the awesome integration of HTML, CSS and JavaScript which makes it useful to develop the web applications, websites and web services. Web services were added in .Net Framework 2.0 and considered as a part of ASP.NET web applications.

ADO .NET : It includes the application which are developed to communicate with the database like MS SQL Server, Oracle etc. comes. It mainly consists of classes that can be used to connect, retrieve, insert and delete data.

4. WPF (Windows Presentation Foundation) : Windows Presentation Foundation (WPF) is a graphical subsystem given by Microsoft which uses DirectX and is used in Windows-based applications for rendering UI (User Interface). WPF was initially released as part of .NET Framework 3.0 in 2006 and previously known as "Avalon".

5. WCF (Windows Communication Foundation) : It is a framework for building connected and service-oriented applications used to transmit

6. WF (Windows Workflow Foundation) : It is a technology given by Microsoft which provides platform for building workflows within .Net applications.

Back end
What is a SQL Server used for?
The SQL Server is a relational database management system from Microsoft. The system is designed and built is **to manage and store information**. The system supports various business intelligence operations, analytics operations, and transaction processing.
What type of database is SQL Server?
relational database management system
Microsoft SQL Server is a relational database management system (RDBMS) that supports a wide variety of transaction processing, business intelligence and analytics applications in corporate IT environments.
How does a SQL Server work?
SQL Server follows a table structure based on rows, allowing connection of data and functions while maintaining the data's security and consistency. Checks in the relational model of the server work to ensure that database transactions are processed consistently.

4.1 Data Pre-processing

Data preprocessing on the department of the internship portal for both students and the Head of the Department (HOD) involves cleaning and preparing the data before analysis. This process includes handling missing data, removing duplicates, standardizing formats, and transforming data into a usable format for analysis. Data preprocessing ensures that the data is accurate, complete, and ready for analysis, helping in generating meaningful insights and making informed decisions to improve the portal's functionality and user experience.

Data transformation on the department of the internship portal for both students and the Head of the Department (HOD) involves converting raw data into a more structured format that is suitable for analysis and decision-making. This process includes tasks such as data normalization, encoding categorical variables, scaling numerical data, and creating new features or variables to better represent the information. Data transformation helps in preparing the data for analysis, making it easier to interpret, and extract valuable insights to improve the functionality and user experience of the portal.

 Data splitting on the department of the internship portal for both students and the Head of the Department (HOD) involves dividing the dataset into separate subsets based on specific criteria. This process can be useful for conducting separate analyses for students and the HOD, allowing for tailored insights and recommendations for each group. By splitting the data, you can focus on the unique needs and behaviors of students and the HOD, leading to more targeted improvements and enhancements for the internship portal.

4.2 Proposed research model

The purpose of the qualified work placement is for the students to practically apply the theoretical knowledge received during the master´s programme. The tasks undertaken during the internship must be related to international/global issues in the social, economic, political or cultural areas.

Landing a coveted internship with a progressive business or organization can benefit you in countless ways. Fremont College suggests that internships offer students an opportunity to gain marketable skills, network with professionals in the industry, build their resume, clarify career goals and gain a competitive edge in the job market. Knowing how to contact a company can help you obtain an internship that's right for you.

An intern is a trainee who has signed on with an organisation for a brief period. An intern's goal is to gain work experience, occasionally some university credit, and always an overall feel for the industry they're interning in. Internships may be paid, partially paid, or unpaid. However, there has been an increase in the number of paid internship opportunities, woo! The engagement period may range from a handful of weeks up to 2 years. With longer-term internships, you'll almost always be compensated in some way. The compensation may include a monthly wage, accommodation, travel expenses, and a food allowance. Other benefits could be a stipend gym membership or even a personal laptop.

It's also not uncommon to receive a full-time offer upon completion of your internship with a company. Studies show that employers like to hire interns and use their internships as well to source new talent for their company.

V. RESULTS AND DISCUSSION

Results:

significant benefit of an education portal is knowledge management. Students and staff can find information they need related to a topic or an issue within the portal. They don't have to rely on paper systems, emails, or multiple websites to source what they need.

Found following result after implementing the Internship Portal on Department

➢ Manage proper record
➢ Student apply online internship
➢ HoD approve internship request
➢ Reduce Paper record management because student upload online internship certificate

Quick report found by this application (semester wise / section wise / internship wise)

Discussion:

• It won't pay much. Most companies hire interns on the cheap. ...
• You may get the grunt work. Some employers or managers take advantage of interns and give them mindless work that doesn't build new skills. ...
• You could get labeled. Sure you have a college degree. ...
• The hours can vary.

What are some disadvantages of an unpaid internship?

One of the biggest drawbacks of unpaid internships is the potentially limited diversity and opportunities. Many college students can't afford to work for free, especially while we are in a global pandemic so, this limits the pool of applicants willing to take on your unpaid internship.

How do you overcome challenges in an internship?

• Tips for Overcoming Your Internship Challenges by Shanyah...
• First Tip: Have Patience. On my first official day at EY, some of my fellow interns and I were challenged to be patient as we awaited our team assignment. ...
• Second Tip: Meet New People. ...

- Third Tip: Communication. ...

Feeling Confident in a Corporate Environment

VI. CONCLUSION

Based on the results of testing this system can run as planned and meet the procedure as an informationsystem that can be used to facilitate the process of guidance apprenticeship programs between students,teachers and coordinators. This system can solve some of the problems that typically occur in internaldata management such as: industry management, apprenticeship sessions, expertise competencies, users,students, supervisors, registration, placement, guidance, daily journals,assessments, information graphsand damage or loss of reports.

VII. FUTURE SCOPE

future scope if implementing Department Internship Portal of College is :

- BettTheer communication between student and department
- Proper record management
- Internship record better management
- Reduce time consuming problem
- Student can easily submit and manage internship data
- Reduce time consuming problem

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