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Introduction

As we are living in the year of science and technology where internet technology is considered as the one of the precious gift till date. As the growth of technology have immensely change our human civilization and society where internet and web technology allow business to reach a worldwide audience with their product and services. Web apps like courser and udemy are supporting in the educational fields whereas upwork and fiverr are promoting online jobs. Web technology covers every part of internets.

Find intern will help students to enhance their theoretical knowledge to implement the practically to the real world program. Find intern will be a web application which will help to find the required internship across different companies reducing the time and cost constraints where this will provide a platform to companies to hire the student reducing the labor charges and working with new frame of mind with youngsters. This application will also help the company to post the internship program where larger number of people would be visiting.

Problem scenario

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. Finding proper internship is extremely difficult for beginners whereas limited number of resources creates complications due to this student have to directly depends on external partnership, nepotism or alternatively surfing over of company sites to seek internship or settle for intern programs provided by the institute.

As a survey conducted by merojob, an internship is practiced mostly while pursuing the following academic degree: Bachelor's Degree at 80%, followed by a Master's Degree at 11%. A third close is High School at 8% and rounding it off is Doctorate with 1%. (merojobs, 2022) the majority of companies do not provide internship programs as they are tiny or start-ups company which lacks resources and time to properly train new employees due to this internship lacks.

Project as a solution:

Internship partners as a project will help to overcome the difficulties to find the proper internship. Internship partners will help to find the finest internship available and trending technologies from the reputed software companies of Nepal. Internship partners will be posting multiple internship programs according to the market where student can easily enrol the program to develop the career. This application will help to sort the internship program as per their interest as well as based on the location. This application will provide an interface to the companies where they can post their internship vacancy as per their need. internship partners will also help companies to short list the candidate as per their need.

Aims and objectives

The aim of this project is to develop a web application where the student can find an internship program beneficial for their future reducing time ruin to develop the career according to their preferences.

The objectives of this project are:

- To learn about dot net technology and to implement its features.
- To get familiar implementation frontend technology, backend technology along with databases.
- To learn about web API and its working principal.
- To create documentation and research work to create fully functional web application.
- To create an application which will helps to find the internship program for the students and create a platform where IT industry could post the internship program according to markets and company necessity.
- To learn about building web application through frontend, backend and database technology.

Expected outcomes and deliverables:

The completion of project is expected to helps the student to join internship program whereas the companies will be able to post the internship programs. This project will provide the functionality like:

- Signup page where new user could register their details.
- Login page which would provide the access to dashboard.
- Companies can post, edit and delete the internship program.
- User can view and join the internship program.
- User can search the internship as required.
- User can send the file and upload cv to the admin.
- Admin can manage user and post.
- Change and reset password.
- Multilanguage features.
- user can manage their profiles.
- Internship notification

Project risk, threats and contingency plans.

Risk and threats rises at different levels which causes the loss during the development of project. some of the threats and project risk are:

- slow internet could be the issues due to which changes may not be made.
- Implementation of UI can be difficult whereas user may not be familiar with the interface.
- designing the database and implementing with the frontend technologies would be difficult task.
- Difficulties in coding and debugging.
- Hardware devices may not be compactible.
- Security issues can be found.

To decrease the risk of project and to work on continues manner the following points would be implemented:

- Problem that might be faced by the slow internet issues can be resolved by the fast internet access.
- Researching about the UI and providing flexible operation to enhance the user experience
- Building project on time.
- Researching about dot net technology.
- Building coding practice.
- Using authentication functionality.

Methodology:

Kanban is a visual system for managing work as it moves through a process. Kanban visualizes both the process (the workflow) and the actual work passing through that process. The goal of Kanban is to identify potential bottlenecks in your process and fix them so work can flow through it cost-effectively at an optimal speed or throughput. many development teams use this method and lets team members see the work that needs to be done, the work that is in progress, and the completed work. It also helps measure the success rate of your workflow and improve it. (travers, 2023)

Benefits of Kanban's

- Easier Changes
- Improving Efficiency and Productivity
- Workflow Management
- Problem Solving and Risk Management
- Reduced Overhead Costs
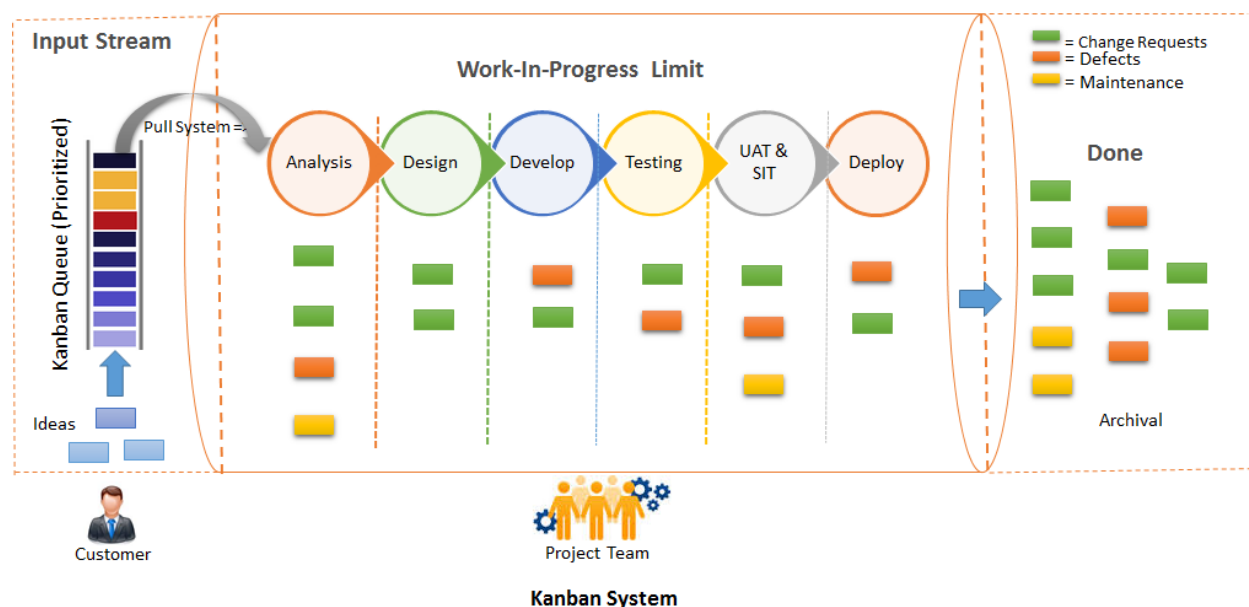- Collaboration and Experimentation

Figure 1:kanban implementation

Reasons to use Kanban:

- Using Kanban will help me to visualize the ongoing task and completed task.
- It will help me to prioritize the task for the development.
- Kanban provide better continuous work flow over scrum for the development
- Kanban will help me to reduce wastes of time constraints from process.
- Implementing changes gained from feedback and loops will be easier at any time.
- In a solo project requires several steps Kanban increases productivity by ensuring me to work on right thing on right time.
- Kanban will help me to schedule task and delay task according to needs.
- Using Kanban methodology, it will be easier to experiment and adjust the time frame and changes if it is not working as required.

Resources requirement

The requirement for the completion of project are:

- Visual studio: An IDE to run the system
- Programming language: C#, JavaScript, HTML, CSS
- Framework: asp.net, JQuery
- Database: MS SQL
- Version Control: GitHub
- Project Management: Microsoft project
- Diagram tools: Draw.io

Work break down structure

A Work Breakdown Structure (WBS) is a deliverable-oriented hierarchical decomposition of the work to be executed by the project team to accomplish the project objectives and create the required deliverables. A WBS is the cornerstone of effective project planning, execution, controlling, monitoring, and reporting. All the work contained within the WBS is to be identified, estimated, scheduled, and budgeted. (visual-paradigm, 2022)
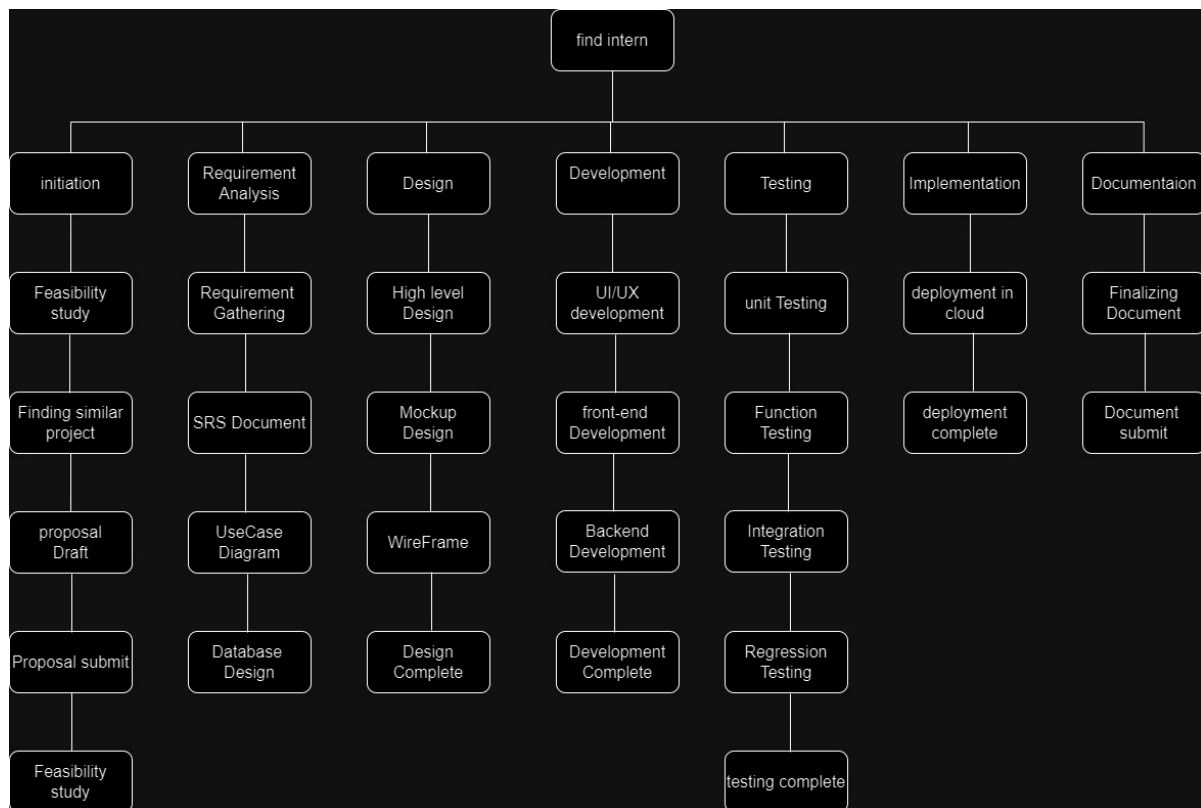

Figure 2:work down structure

Milestone:

Project milestones are checkpoints in your plan that mark important events, dates, decisions, and deliverables so it's easy for your team and stakeholders to map forward progress on the project.

Milestones indicate a change in stage or development and act as signposts throughout the course of your project, helping you ensure everything stays on track. Without milestone tracking, you're just monitoring tasks and not necessarily following the right path in your project. (teamgant, 2023)

Milestone 1: topic finalization

The first milestone is to finalize the topic that represent overall system functionality and documentation required for the future.

Milestone 2: Proposal submit

The final proposal report gives the idea of the entire project. The proposal report gives the core knowledge of project functionality and features which are requires to be implemented.

Milestone 3: completion of interim report

Interim report is followed by the proposal which determines the success of project on time line. The interim report shows the features which are completed and successes till date to verify the project meet the time line.

Milestone 4: completing the frontend technology

The interface which are required in the system which provides the easier way to user to interact and perform activities.

Milestone 5: completing the backend technology

The functionality and features which are required in the system to perform its task needs to be accomplished. backend technology deals with the logical performance according to the user needs.

Milestone 6: System testing

Testing helps to find the error which are hidden in the application and leads to malfunction. Fixing those errors and addressing into logs.

Milestone 7: deployment

Deploying the application in the cloud to make it easier to accessible by the user.

Milestone 8: finalizing the document

Documentation is required which address the test case and user guide to interact with the system

Milestone 9: project submission

The completion of project and documentation will be submitted to the department.

Gantt chart

A Gantt chart is a project management tool that helps in planning, scheduling and monitoring a project. Using a Gantt chart can improve your planning and scheduling, remote work collaboration, resource allocation and task delegation. (geeksforgeeks, 2023)
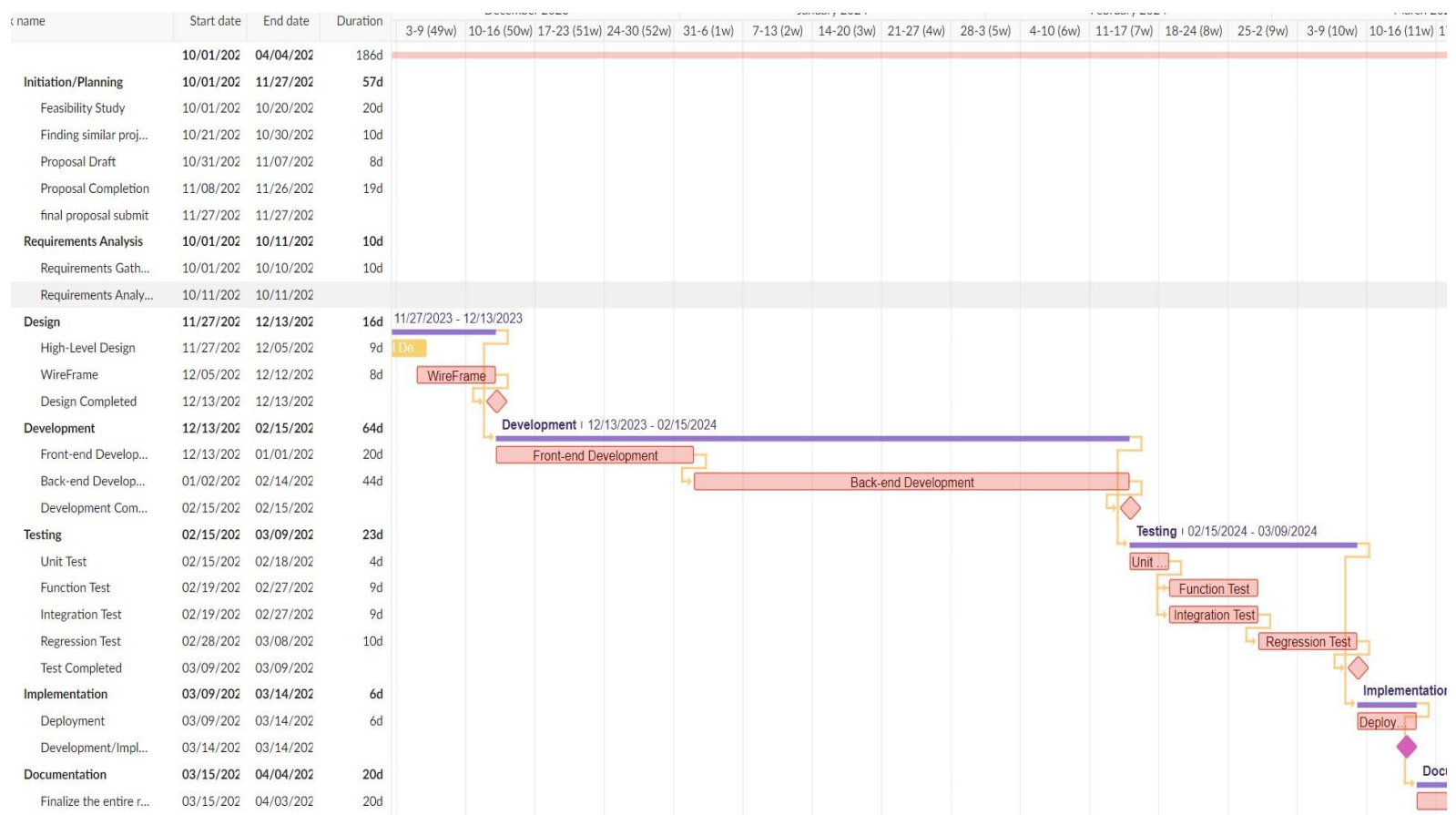

Figure 3: Gantt chart

Conclusion

Internships offer students career exploration and development opportunities, but finding the right one can be challenging due to limited resources and small start-ups. Find intern aim to help students find the best internships and trending technologies from reputable Nepalese software companies. The application will sort internship programs based on students' interests and location, and provide an interface for companies to post their internship vacancies.

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