**Project Guides (Project Overview)**

**Title of Project:** e-learning Web-app (MasterSab)

**Introduction:** MasterSab is web App that provide a Nepalese student **e-learning** platform. Student can learn at anyplace and anywhere by using this application. Student can read their course book, take quiz and also participate in public quiz and post their course problem so that other student can provide the solution.

**Requirements: -**

**Functional Requirements:**

* New Student Signup to the system and registered student login to the systems.
* Learn course syllabus of their school and college.
* Review the summary of every lessons.
* Participate in public as well as course quiz.
* Visit their profile section.

**Non-Functional Requirements**

* Scalability
* Usability

**Design and Implementations**

**System Design**

* Low-Fi and Mid-Fi (Using Copy and Adobe XD)

UML Diagrams

* Use-case Diagrams (Individual Use-case is necessary).
* Sequence Diagrams
* Activity Diagrams
* Class Diagrams
* Database Diagrams (ER-Diagrams)

**Developments**

**Tools Used**

* Adobe XD: - For Mid-Fi, Hi-fi and also used prototyping tools.
* Visual Studio Code (Any code Editor as Developer Choose):- Writing magic lines of code.
* Git and GitLab :- for Version control

Programming Language Used.

* Frontend Programming:

----- Angular 9

----- CSS3 (Grid or Flex), Bootstrap 4 or Materializes CSS

* Backend programming

------ Node Js

* Database

----- mango DB

**Testing**

* Unit Testing

---- Form Fields or input field, password Field

---- Simple Profile Photo

* Module Testing

-----Login testing

-----Sign Up testing

-----Course Section testing

Note: After Testing each section Tester should prepare a test log so that it will easy for Documenter to include test part in each Sprint(2-week task).

**Deployment**

* Heruko or any suitable Platform for the development.

**Project-Plan**

Start Date:Deadline:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.N** | **Task** | **Start Date** | **End Date** | **Assign To** | **Time** | **Collaborations** | **Budget** |  |
| 1 | Topic identification | Week1 | Week2 | All Members | 6 hours | All Members | --- |  |
| 2 | Requirement gathering and analysis | Week2 | Week2 | All Member | 9 hours | All Member | 23000 NRP |  |
| 3 | Low-Fi and Mid-Fi | 14 Feb | 19 Feb | Designer | 12 hours | Documenter, PM and Designers | 115000 NRP |  |
| 4 | UML Diagrams | 14 Feb | 24 Feb | Documenter | 6 hours | Designer and PM | 57500 NRP |  |
| 5 | Login and Signup | 19 Feb | 21 Feb | Developer |  | PM and Tester | 161000 NRP |  |
| 6 | Homepage | 21 Feb | 25 Feb | Developer |  | PM and Tester |  |
| 7 | Courses | 25 Feb | 1 March | Developer |  | PM and Tester |  |
| 8 | Individual Courses | 2 March | 5 March | Developer |  | PM and Tester |  |
| 9 | Courses Content | 19 Feb | 1 March | Documenter |  | PM Developer and Tester |  |
| 10 | Summary Section | 6 March | 9 March | Developer |  | PM and Tester |  |
| 11 | Question- Answer Section | 10 March | 16 March | Developer |  | PM and Tester |  |
| 12 | Quiz Course Section | 17 March | 20 March | Developer |  | PM and Tester |  |
| 13 | Public Quiz Section | 21 March | 25 March | Developer |  | PM and Tester |  |
| 14 | Profile Section | 26 March | 30 March | Developer |  | PM and Tester |  |
| 15 | Documentation |  |  |  | 75 hours |  | 100050 NRP |  |
| 15 | Review Section | 1 April | 5 April | All |  | All |  |  |
| 16 | Testing and Evaluation | 5 April | 9 April | Tester | 16 hours | PM, QA | 30800 NRP |  |
| 17 | Deployment | 9 April | 10 April | Developer | 6 hours | PM, Developer | 23000 NRP |  |
| 18 | Miscellaneous | -- | -- | -- | -- | -- | 83950 NRP |  |
|  | Total |  |  |  |  |  | 600300 NRP |  |

**Note:** Tester should Prepare a test log of unit test and after completion of each module so that it will easy for documenter to prepare the sprint and documenter must prepare other class assignment counseling with other member of the groups.