

Project Proposal Document
for
Mobile App and Website

to
International Livestock Research
Institute(ILRI)



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1 Introduction

1.1 Executive Summary

The mobile app development proposal details the creation of offline E-Learning mobile app and E-Library website for ILRI as a solution to making learning easy for farmers. The objective of the project is to make learning easy and interactive.

1.2 Background

Nowadays, the use of mobile devices, especially smartphones, continues to increase steadily. According to Statista, the number of mobile device users has reached more than five billion around the world, and will continue to grow in the following years. Particularly, smartphone users reach 2.7 billion, which occupies around 52 percent of the mobile device users

Google Android and Apple iOS are the two most popular operating systems for smartphones currently available. Among them, Android occupies 80 percent of the smartphone market. Based upon StatCounter GlobalStats, Android is the most popular operating system for mobile devices. Under this trend, we will be developing an Android mobile application.

In this paper, we propose an Android based farmers learning guide and Website. Here users/farmers can read and watch videos of different course materials, any users can visit the website to download/view course materials download the mobile application and Admins can send Push notification to users messages

1.3 Problem and Solution

Due to the difficulty of learning and searching of a course materials from a pdf document, we propose a solution to build course materials(short videos, text and images) and interactive mobile application.

2 Scope Of The Project

2.1 Objectives

The objective of this project proposal is to define the project scope of E-Learning mobile app and E-Library and provide the Estimation.

- Develop a mobile application fit for the client's needs within the set timeline and budget.
- Develop a website
- Develop multilingual mobile application and website
- Assist the client in the integration of the app in its operations.
- Orient the client on how the app is used

2.2 Scope

Mobile Application Features:

- Search for a course
- Play/view images and videos
- View Push Notifications
- Filter course by categories
- Select applications language
- Manage Push Notifications

Website Features:

- Download the mobile application
- Link to play store download page
- Browse course materials in pdf
- Browse different course materials(i.e images, videos)
- Download course material files

3 Project Estimation and Schedule

3.1 Cost Estimation

A ballpark estimate is that it will take 30 days to design, develop and test the mobile application and website. Here's a breakdown of how much time each stage of the mobile app development process will take:

Description	Cost (USD)
Design and Development	7,500

Recurring Cost

Description	specification	Cost
Domain Renewal Charges	Domain names that ends with com(May vary depending on the domain name)	12 to 50 USD/Year
Instance(VPS)	Regular Intel with SSD. CPU = 1 Cores, RAM 1GB	12 USD/Month
Storage	S3 Storage	5 USD/Month
Total	-	17 USD/Month

3.2 Schedule

The project schedule is based on the project start date. Any change in start date would amount to changes in all subsequent delivery dates and additional fees. The actual project schedule and detailed planning inclusive of client reviews and feedback will be made based on inputs from client once requirements analysis is completed.

- course material preparation: 10 Days
- Development + Beta Release: 18 Days
- User Acceptance Testing: 2 Days
- Total Duration 24 Days

4 Ownership of the Project

- The Developer agrees that the Product is the sole property of the Client.
- The Developer hereby assigns the Client, without further compensation, all of its rights, titles and interests in and to the Product and any all related intellectual property rights in the Ethiopia and elsewhere.
- The Developer hereby agrees to keep and maintain adequate and current written records with respect to the Product (in the form of sketches, notes, drawings, videos and as may otherwise be specified by the Client) which records shall be available to the Client at all times and shall remain the sole property of the client at all times.