

PROPOSAL FOR DEVELOPMENT OF KIOSK APPLICATION

SUBMITTED BY

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BACKGROUND

An android-based kiosk system will be developed for truck driver and will be installed in various location in the public places. Here the truck driver can access various information by using the menu. Each menu will be linked with various information in the form of PDF, images, or videos.

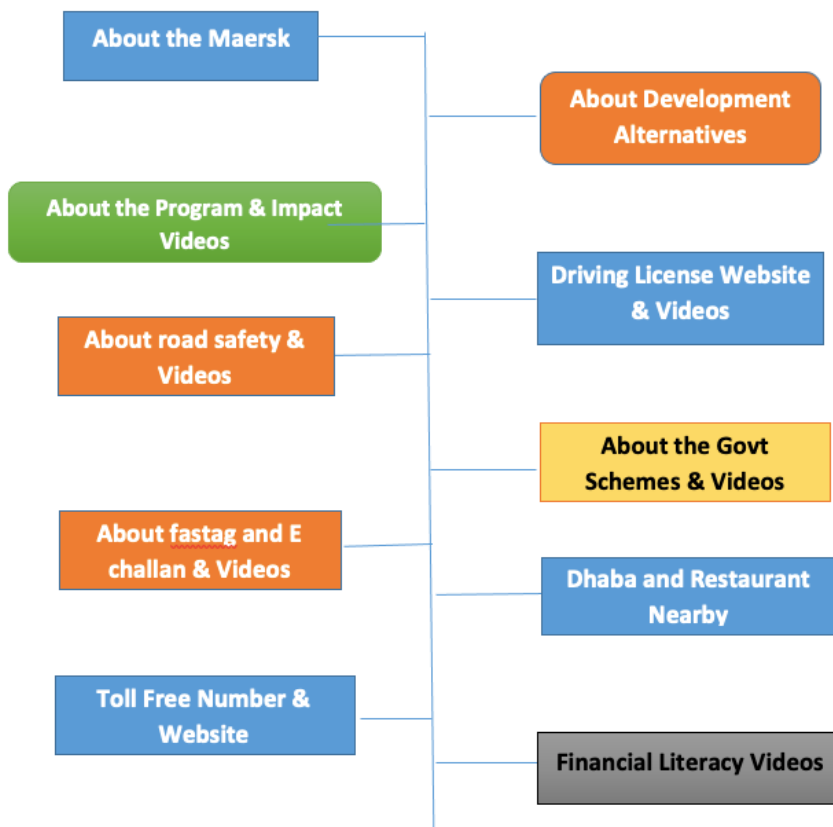
Alttech Software Pvt. Ltd. (Alttech) has 5 years of experience in delivering cutting-edge ideas and solutions for development projects. Alttech aims to leverage Information and Communication Technologies (ICTs) for Development.

SCOPE OF WORK

The scope of the project will be as follows:

1. Designing and development of KIOSK system
2. Development of Web admin panel

STRUCTURAL FLOW OF THE PROPOSED INFO KIOSK



DESIGNING AND DEVELOPMENT OF KIOSK SYSTEM

Hardware Selection

Android based Tablets will be used for the kiosk system with the touch feature. The hardware will be provisioned by the partner.

Software Development

Operating System: We will use Android as the base operating system will be used for its flexibility and availability.

User Interface (UI): We will Design an intuitive and user-friendly interface for kiosk application. We will consider the factors like touch navigation, large buttons and clear instructions.

Security

Token based authentication security measures will be used to prevent unauthorized access to the device and protect user data during the process of synchronization.

Offline Mode: This application will be used offline mode. All the data will be sync data from the server to the local system once it get the internet connection. Data sync will be done on the availability of Internet.

DEVELOPMENT OF WEB ADMIN PANEL

Admin panel will be used to upload the content for the KIOSK system. Following feature will be available in the admin panel.

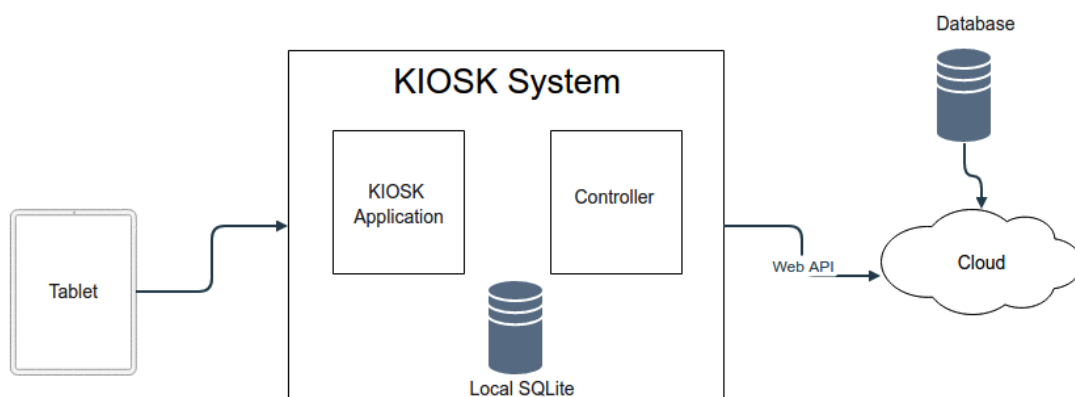
Register the Device: Each KIOSK system will be registered by providing various information. A unique id will be generated and allotted to the device.

Creating Category: Here the admin can able to create category against which the content will upload.

Upload content: Here the admin will upload the content in Text, PDF, Images or video. The content can be modify of delete from the admin panel.

Reports: The usage of the KIOSK system will be available in the admin panel and can be download in the form of PDF or excel.

KIOSK SYSTEM INTEGRATION



METHODOLOGY

INITIAL MEETING AND UNDERSTANDING THE REQUIREMENT

An initial meeting will be held in between stakeholders and Indev Team to understand and get a better picture of the assignment. Detailed discussions will be done on the requirements of the project, features, institutional protocol, and communication protocol.

DETAILED REQUIREMENT GATHERING

A series of meeting will be held with the stakeholder to gather all necessary documents from the project team. Documents like source code of existing platform, data entry forms, **project outcome indicators** will be gathered from stakeholder.

Deliverables: A detailed Inception Report will be submitted to the project team.

DESIGNING AND PROTOTYPING

During this phase we will design the mock-up/wireframe designs to visualize the layout of the website application. Rapid prototyping model will be adapted for developing the web database. All screens will be developed using Dry Screen.

Deliverables: The Prototype will be submitted for approval. The development of the system will start once the approval is received.

CODING

Based on the approved prototype and database structure necessary coding process will be initiated.

TESTING ON STAGING SERVER

On completion of core development, the system will be hosted in a local server for internal testing. During this phase, all modules will be tested thoroughly.

On completion of internal testing, any bugs found in the system will be eliminated. Once this is done, Regression Testing will be done to ensure smooth functioning of the software.

FIELD TESTING

A 7-days UAT period will be provided for field testing of the application. Based on the feedback received from the field, necessary updates will be done on the mobile application. If any problem occurs during the UAT phase, all bugs will be resolved at the same time.

LIVE SERVER DEPLOYMENT & SECURITY CHECKING

After the successful implementation of all functionalities, the system will be **hosted on a live server** and detailed testing will be done and all type of security tightening such as SSL and Firewall will be installed. On successful testing and deployment, caching of the content will be done for efficient public access.

To ensure software quality, multiple testing will be done on various stages of application development. OWASP Top 10 vulnerabilities will be addressed.

TRAINING OF STAFF & DOCUMENTATION

A detailed training will be provided to the staff on the various modules and their usage.

Source Code of the App and dashboard, Technical Documents, Role based User Manual will be developed and handed over to the stakeholder.

TECHNOLOGY TO BE USED

- Mobile application: Android
- Web admin panel and API programming: PHP
- Database: MySql

TIMELINE

S. No.	Line Items	w1	w2	w3
1	Kick of Meeting and requirement gathering			
2	Prototyping			
3	DB designing			
4	Front End designing			
5	Coding			
6	Testing			
7	UAT			
8	UAT Observation Closer			
9	Go-Live			

COSTING

S. No.	Line Item	Cost (INR)
1	Design and development of KIOSK System	1,00,000

Note: The above cost will be exclusive of GST

Payment Terms

- 50% advance
- 50% on Go Live

CAPABILITY STATEMENT

Alttech Software Pvt. Ltd. (Alttech) has 5 years of experience in delivering cutting-edge ideas and solutions for development projects. Alttech aims to leverage Information and Communication Technologies (ICTs) for Development.

Alttech has been working with the many organizations like *IPSA LABS (Science of Ayurveda)*, *Devine Meditech (trusted partner in healthcare)*, *Ortho & Joint Care Centre*, *Substance Communication*, *Substance Ideas go Digital*, *Prathama Law Chamber*, *Hotel the Orchard*, *Naïve & Naughty Play School*, *Saathi Charitable Trust*, *Anita Universe (Astrology by Dr. Anita Nigam)*, *Shreetech Solution (A complete unit of Computer Solution)*, *Unique Mobiles (A complete Mobile Solution)* etc.

CVS OF THE KEY TEAM MEMBERS

Kedar Dash (Project Manager)

Amit Kumar Yadav (Android Developer)

Divya Diwadi (Tester)

Team Member Name: Kedar Dash	
Proposed Position:	Project Manager
Qualification:	Masters in Computer Application
Total Years of Experience:	20+ Years
Brief Experience:	He has the ability in analyzing information system needs, evaluating end-user requirements, custom designing solutions, troubleshooting for complex information system management. Strong problem solving & Technical Skills coupled with confident decision-making for enabling effective solutions leading to high customer satisfaction as well as low operational costs. Naresh has experience in Software Development and designing. Expertise in end to end development of Software Products, Requirement analysis to system study.

Team Member Name: Amit Kumar Yadav	
Proposed Position:	Android Developer
Qualification:	BCA
Total Years of Experience:	3+ Years
Brief Experience:	Amit has 3+ years of experience in developing Android based applications. He has successfully established himself as a leader and guide. He has excellent skill of handling with clients.

	He has successfully developed various android based application. He is capable of handling complex project. Amit has successfully developed MQUAD, BuddhiMoney, PCCDS, and Telemedicine application.
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Team Member Name: Divya Dwivedi	
Proposed Position:	Tester
Qualification:	BSC
Total Years of Experience:	2 Years
Brief Experience:	<p>Divya has 2 years of specialization in software testing. She has hands-on experience on Robot framework, SDLC, Selenium tool.</p> <p>Divya also possess a strong documentation and coordination skill. She is currently engage in testing of CO-LAB, and PCCDS application.</p>