

**P R O J E C T**

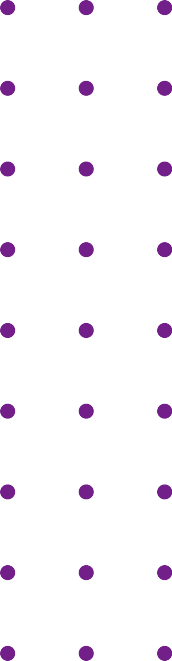
PROPOSAL

*of* **MoneyCart**

Contact: 8382835630, 9837100731, 7838002294

Email: [info@ trustingbrains.com](mailto:info@trustingbrains.com)

**Web :** [**www.trustingbrains.com**](http://www.trustingbrains.com/)



# OUR SERVICES

## Web Services

·Domain, Hosting &Cloud Solutions

·Web Site Design& Development

·Software Development

·Database Solutions

· E-Commerce Solutions

·Forums & BlogsDevelopment

·Website Maintenance

## Mobile Apps Development

·Android App Development

·iOS App Development

## Game Development

·Android Game Development

·iOS Game Development

## Corporate Solutions

·ERP (School / College Management System)

·CRM

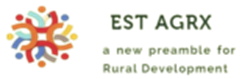
·Creative Concept Development

·Food Ordering System (For Personal Restaurant)

·Hotel Booking System

·Bus Management & Monitoring System

*OUR MARQUEE CLIENTS*



***B E L O W A R E S O M E O F O U R W E B D E S I G N & E - C O M M E R C E C L I E N T***

DEVD RESTRO – Food Ordering System <https://devdrestro.in/>

GVS LINE –

Web Design

<https://gvsline.com/>

MYGSVENTURES

– Portfolio Web Design

<https://mygsventures.com/>

MYGSVENTURES

– Web Design

<https://tech.mygsventures.com/>

EST AGRX

– Marketplace E-commerce

<https://marketplace.trustingbrains.com/>

KEEPOUTOFKITCHEN

– Web Design

<https://keepoutofkitchen.com/>

This proposal outlines the design and development of a mobile application with OTP (One-Time Password) verification during registration, leading to a main page with various service options. The primary functionalities in Phase 1 include ITR (Income Tax Return) and Referral features. The application aims to provide a user-friendly platform for income tax- related services, where users can easily access, view, and download their ITR data, along with other financial services like LOANS, INSURANCE, and PF (Provident Fund).

Deliverables:

Mobile App

 Technology: React Native for cross-platform development on iOS and Android.

 Features: Includes OTP-based registration, user-friendly interface, and push notifications.

Admin Panel

 Technology: Web-based panel with React.js, allowing admin access and management of user data.

 Roles and Permissions: Admins can create roles with specific permissions for secure data access.



Notification Management: Admins can send push notifications and manage user interactions.

User Registration with OTP

Verification Process: OTP-based registration to ensure secure user onboarding.

Security Features: Reduces unauthorized access and account creation.

Main Page with Service Options

 Options: ITR, LOANS, INSURANCE, and PF as primary sections for easy navigation.

 User-Friendly Design: Intuitive icons and labels for straightforward user experience.

ITR Form and Functio

 User Input: Form for users to submit ITR-related information (Name, PAN, Email).

 Admin Functionality: Admins upload ITR data for users to view and download.

 Secure Data Handling: Data encryption and secure connections to protect user information.

Referral System

 Incentives: Users can share the app and earn rewards for successful referrals.

 Tracking Referrals: Unique referral codes to track and manage rewards.

Multiple Role-Based Panels

 Role-Based Control: Allows admins to create roles with different access rights.

Granular Permissions: Ensures secure and limited access to sensitive data.



Data Encryption and Security

Multiple-Layer Encryption: Use TLS/SSL for data in transit and AES for data at rest.

Additional Security Measures: Multi-factor authentication, security audits, and compliance with data protection regulations.

Scope of Work:

1. User Interface Design:

 Description: The user interface (UI) design is crucial for creating a visually appealing and user-friendly experience. This involves creating wireframes, mockups, and high- fidelity designs that guide the development process.

 Implementation:

 Consider incorporating a simple navigation structure, consistent color schemes, and easily accessible buttons and options.

1. OTP Verification:

 Description: OTP (One-Time Password) verification is used to ensure the security of user registrations. This step involves sending a unique code to the user's mobile device for verification during the registration process.

 Implementation:

 Integrate with a third-party service like Firebase Authentication or Twilio for sending OTPs.

Implement an OTP input field in the registration flow, allowing users to enter the code received via SMS or email.



Include error handling for invalid OTPs and ensure the code is time-bound to prevent misuse.

1. Main Page Development:

 Description: The main page is the first screen users see after registration. It should offer quick access to key features and guide users to the next steps.

 Implementation:

 Design a main page with clear options for ITR, LOANS, INSURANCE, and PF.

 Use simple icons and labels to represent each section.

 Implement a dynamic welcome message or notifications to engage users when they open the app.

1. ITR Form Creation:

 Description: This form allows users to submit their ITR- related information, which will be processed by the admin. The admin can then upload the relevant ITR data for users to view and download.

 Implementation:

 Create a form with fields for Name, PAN number, Email Address, and other necessary information.

Use validation to ensure correct data input. Develop a backend endpoint to receive and process form submissions.



Provide a clear success message upon submission and allow users to download their ITR data once uploaded by the admin.

1. Referral Feature:

 Description: The referral system encourages users to share the app with others, rewarding them for successful referrals. This feature can boost user growth and engagement.

 Implementation:

 Implement a unique referral code for each user.

 Create a simple way to share the code via social media, email, or messaging apps.

 Track referrals on the backend and set up a reward system to incentivize users to refer others.

 Provide a leaderboard or similar feature to display top referrers.

1. Admin Panel Development:

 Description: The admin panel allows administrators to manage and upload user data, send push notifications, and monitor app activities.

 Implementation:

 Develop a web-based admin panel using React.js or a similar framework.



Create a secure login system for admins.

Implement features to upload ITR data, manage user information, and send push notifications.

Include user activity tracking and basic analytics to monitor app usage.

1. Multiple Role-Based Panels

 Description: Create a system allowing admins to define multiple roles with varying permissions to ensure secure and controlled data access.

 Implementation:

 Implement role-based access control (RBAC), enabling admins to assign roles to different users within the admin panel.

 Provide granular permissions to restrict access to sensitive data and functions.

 Ensure the system supports creating, modifying, and deleting roles, allowing flexibility in admin management.

1. Data Encryption and Security

 Description: Ensure multiple layers of encryption to protect sensitive data and implement robust security measures to safeguard the application and user data.

 Implementation:

 Use encryption protocols like TLS/SSL for data in transit and AES for data at rest.



Implement multi-factor authentication and regular security audits to ensure compliance with security standards.

Include intrusion detection systems and data backup strategies to enhance overall application security.

1. Push Notification Integration:

 Description: Push notifications are used to communicate important updates, offers, or other information to users. This feature keeps users engaged and informed.

 Implementation:

 Integrate with a push notification service like Firebase Cloud Messaging.

 Implement features to send notifications based on specific events or manually through the admin panel.

 Ensure users can opt in or out of notifications according to their preferences.

 Include error handling for failed notifications.

1. Testing and Quality As c

 Description: Thorough testing ensures that the application functions correctly and is free from critical bugs. Quality assurance validates the user experience and ensures compliance with requirements.

 Implementation:

 Perform unit tests, integration tests, and end-to-end tests to ensure all components work together seamlessly.



Conduct user acceptance testing to gather feedback on the user experience.

Implement automated tests to ensure stability during development.

Address any issues found during testing and ensure the final product meets quality standards.

# Technological Stack

Frontend: React Native

 Framework: React Native is chosen for its cross-platform capability, allowing the development of a mobile application that works on both iOS and Android platforms.

 Features: Offers a consistent look and feel across different platforms.

It has a vast ecosystem of libraries and tools, enabling efficient development and seamless integration with native features.

Backend:

 Server-Side L c: Node.js is used due to its asynchronous, event- driven architecture, which is ideal for handling multiple concurrent requests.

 Routing: Express.js provides a simple and flexible way to create server-side routes and middleware for handling HTTP requests and responses.

 Data Storage: A NoSQL database like MongoDB is considered for its flexibility in storing unstructured data, while PostgreSQL, a relational database, is chosen for structured data storage and complex queries.

Admin Panel:

 Framework: React.js is used for building a responsive and dynamic web-based admin panel. It allows for the creation of interactive UIs and easy integration with back-end services.

 Benefits: React.js provides component-based architecture, making the admin panel modular and maintainable. It also has a large community and a variety of libraries for additional functionalities.

Authentication:

Firebase Authentication or similar for OTP-based user verification.

Push Notifications:

Firebase Cloud Messaging or similar for sending notifications to users.

# Payment Structure

**Activity**

**Phase 1**

**Application Design & Development included above features + Admin features with multiple login panel and multiple roles (website)**

**Design & Development**

**Amount**

**₹ 53,000**

**25% Advance, remaining After live the Application**



Timeline (3 Week ):

**Additional Cost**

**Domain Cost Google play store registration fee Cloud/Hosting Cost App store registration fee Maintenance Cost (25%-30% of actual development cost) Sms Cost**

**Any additinoal services may cost Extra**

Design and Development Phase-1 Testing and Debugging Phase-1 Deployment and Launch

# Scope of Maintenance

### Initial Maintenance Period

 Duration: The initial maintenance period is six months, providing free support for any issues or changes required within this timeframe.

 Coverage: Includes bug fixes, server maintenance, and

minor changes to the existing codebase, such as changing form colors or minor user interface adjustments.

 Response Time: The expected response time for

addressing issues or bugs during this period is typically within 24 to 48 hours.

### Extended nce P -M nth od

 Cost: Maintenance cost after the initial period is calculated at 25 to 30% of the original development cost per year. For example, if the development cost was 52,000, the maintenance fee would be between 13,000 and 15,600 for one year.

 Coverage: This extended maintenance includes bug

fixes, server maintenance, and minor changes to the existing codebase. It ensures that the application and admin panel continue to function smoothly with updated security measures.



Scope: The extended maintenance covers:

Bug Fixes: Resolution of software bugs or errors. Server Maintenance: Regular server checks, performance tuning, and database backups.

# Scope of Maintenance

 Minor Code Changes: Adjustments to the existing codebase, such as color changes, form modifications, or interface tweaks.

 Security Updates: Applying necessary security patches

and updates to maintain data protection.

### Additional C ts N w res

 Scope: Any new features or significant changes beyond the original scope of work are considered add-ons, and their cost will be calculated separately based on the required development effort.

 Cost Calculation: The cost of new features depends on

the complexity of the work, and a detailed quote will be provided upon request. This ensures flexibility for future expansion and customization based on user feedback or evolving business needs

# Cloud Charges and Security Costs

### Security Costs

 Network Access Control (NAC/NACL): Controls traffic in and out of virtual networks. The cost is typically a part of the virtual network setup, contributing to the overall security of cloud infrastructure.

 Internet Gateway (NAT Gateway): Provides internet access to resources within the cloud and facilitates communication between cloud services. NAT gateways have data transfer costs based on usage, generally contributing to security by isolating internal resources from direct internet exposure.

 Elastic Load Balancers: Distribute incoming traffic across multiple instances to ensure scalability and fault tolerance. Their cost depends on the number of connections and data processing requirements.

### Cost Scenarios

 With Security (1 to 3 GB): When including security features like NAC/NACL, internet gateway, and load balancers, the cost for 1 to 3 GB of data can reach up to 20,000 INR or more. This pricing includes additional security layers to protect data in transit and control access to cloud resources.



Without Security (1 to 3 GB): If security features are minimal or not included, the cost for similar data usage is lower, typically around 12,000 INR. This scenario might be suitable for non-critical applications but lacks robust security.

# Cloud Charges and Security Costs

 Scaling Data Usage: With security, if data usage increases beyond 5 GB, the cost per GB generally decreases as data volume grows. This can be attributed to bulk pricing models and increased efficiency in resource utilization. As a result, costs might decrease incrementally with larger data volumes, providing an incentive for scaling.

### Key Conside tio

 Resource Optimization: Efficient resource allocation, like autoscaling and load balancing, helps manage costs.

 Data Transfer: Costs for data ingress and egress can significantly impact overall expenses, particularly when using NAT gateways and similar services.

 Long-Term Contracts: Negotiating contracts with cloud providers can lead to cost savings and discounts, especially for committed usage over time.

 Cloud Provider Differences: Pricing varies among providers like AWS, Azure, and Google Cloud Platform, depending on their pricing models and additional features.

# TERMS AND CONDITIONS

 The commercial quotation is valid only for the 15 days the date of quotation.

 All Above costs are excluding the taxes. 18% GST is

applicable extra.

 All payments will be made in favor of [Trusting Brains](https://trustingbrains.com/) IT Services Pvt. Ltd. through NEFT/IMPS Only.

 Any Third-party cost like domain, Hosting, SSL renewal cost will be payable every Quarterly/yearly \*.

 All conditions are valid only in case the payments are made as per payment terms & conditions on time..

 Ranking and other results also depends current status of website in search engine and social media.

 Raw contents like images, video etc. will be provided by client. [Trusting Brains](https://trustingbrains.com/) shall not use any third party’s copyright materially like image, video etc. If any such material is required for campaign or website and social media, it should be purchased by client.

 In case of Global Pandemic, Natural Disaster support services response time may be affected

