

PROJECT PROPOSAL

Development of Agriculture News Web Portal and Mobile App

Submitted by: Bellway Infotech Pvt. Ltd.

PROJECT OVERVIEW

This project aims to develop a scalable, secure, and feature-rich Agriculture Web Portal and Mobile App tailored for farmers, researchers, agricultural consultants, and agribusinesses. The platform will centralize important resources such as blogs, e-papers, research publications, government schemes, mandi rates, crop info, and provide monetization through subscriptions and advertisements. The solution will empower users with real-time, verified, and accessible agricultural content while enabling monetization opportunities and third-party integrations.

Key Features:

- Agriculture Blogs
- Research Publication Submissions (for PhD holders)
- Government Schemes Listing
- Mandi Rates, Weather, and Crop Info via APIs
- E-Paper Publishing and Archiving
- QR-Based Employee Verification
- Subscription Module with Payment Gateway
- Event & Expo Listings
- Consultant Directory with Inquiry Option
- Admin Management Dashboard
- Advertisement Management
- Mobile App for Android and iOS

PROJECT OBJECTIVES

- Develop an agriculture-focused web and mobile platform
- Enable research publication and expert blog sharing
- Integrate real-time weather, mandi rates, and crop advisory APIs
- List and filter government schemes and subsidies
- Facilitate consultation and directory-based networking
- Enable e-paper publishing and archival
- Allow subscription to premium content and newsletters
- Ensure employee verification using QR codes
- Provide cross-platform mobile accessibility
- Support monetization via ads and subscriptions

FEATURE LIST

Website Features (ReactJS Frontend, Laravel Backend):

1. Home Page:

- Slider banners, latest blogs, mandi rate, weather info, crop summary, events, and ads
- Quick search functionality

2. Blog Module:

- Blog listing by category and author
- Blog SEO metadata fields
- Blog submission by authors with admin approval
- Blog detail page with social sharing and ads

3. E-Paper Module:

- PDF upload and in-built viewer
- Date-wise archive and optional download setting

4. Research Publication Module:

- PhD researcher registration and login
- PDF research submission with description
- Admin approval workflow
- Public display with filters

5. Government Scheme Module:

- List of central and state agriculture schemes
- Category and location-based filters
- Downloads or redirect links for scheme details

6. QR Code-Based Employee Verification:

- Unique QR code per employee
- Public employee profile (name, designation, status)
- Admin employee management and search

7. Expo and Event Module:

- Admin-created events with date, venue, and poster
- Public calendar view
- Contact form or inquiry for registration

8. Consultant Directory:

- Consultant listing by expertise
- Profile page with contact and availability
- Inquiry or appointment booking form

9. Subscription and Newsletter:

- Newsletter email subscription
- Basic premium content lock/unlock
- Payment gateway integration for subscription

10. Advertisement Module:

- Banner, footer, and sidebar ads
- Start and end date settings
- External URL linking

11. Global Search Module:

- Search blogs, e-papers, research, employees
- Basic auto-suggestion implementation

12. Admin Panel Features:

- Dashboard with site stats
- User and role management
- Blog, e-paper, research, employee, event, scheme, consultant, and ad management
- API configuration section
- Newsletter and subscriber control
- Export and reporting tools

13. API Integrations:

- Mandi Rate API
- Weather API
- Crop Info API
- Language Translation API
- WhatsApp Contact API
- Razorpay or Stripe Payment Gateway
- Optional: Google Maps, AI APIs

14. Security and Performance:

- HTTPS/SSL configuration
- CAPTCHA on login forms
- SEO-ready URLs and sitemap
- Role-based access control

- Lazy loading and basic caching
- Google Analytics integration

Mobile App (Flutter for Android and iOS):

- Mirrors key web modules (blogs, schemes, events, weather, QR scanner, research, consultant directory, etc.)
- Multi-language (English, Hindi)
- Push notifications
- Subscription and premium access
- Lightweight, fast and scalable

USER FLOW

Visitors can:

- Browse home page content including blogs, weather, crop info, and events
- Search across blogs, e-papers, research, and employees
- View consultant profiles and submit inquiries
- View and download government schemes
- Subscribe to newsletter and premium content
- Scan QR to verify employees

Researchers can:

- Register, log in, and submit research for admin review and publication

Admins can:

- Manage users, blogs, research, employees, schemes, consultants, events, ads
- Configure APIs
- View reports and perform exports

DEVELOPMENT PROCESS

- Requirement gathering and analysis
- Time and cost finalization
- Invoice and advance payment
- UI/UX design and approval
- Web and mobile development
- API integration
- Testing and quality assurance
- Mobile app submission to Play Store and App Store
- Final deployment on client's server
- Admin training and 30-day free support

PROJECT DELIVERABLES

- Fully functional web portal
- Android and iOS mobile app
- Admin dashboard with complete control
- Source code delivery (after final payment)
- Admin user guide
- App deployment via client's developer accounts
- 30 days of free support post-deployment

NOTES

- Domain and hosting are not part of the quoted cost
- All third-party API and paid service subscriptions must be arranged by the client
- Client must provide verified Play Store and Apple Developer Accounts
- App store approval timelines are controlled by Apple and Google, and Bellway Infotech will not be liable for delays
- For Google Play closed testing, 20 tester emails are required and a 14-day test cycle is mandatory, followed by a 7-day public review

- Bellway Infotech will require deployment access until project handover

PROJECT TEAM

- Project Manager
- System Architect
- Frontend and Backend Developers
- Flutter Developer
- QA Engineer
- Support Engineer

RESPONSIBILITIES

Bellway Infotech:

- Provide complete technical team and leadership
- Weekly updates and communication
- Development and delivery of agreed modules

Client:

- Timely content, API access, and credentials
 - Account setup for app deployment
 - Designate one point-of-contact for coordination
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TERMS & CONDITION-

- The project timeline will commence upon receipt of the full payment for the first milestone.
- All estimates/quotes are based on our understanding of your requirements and as per the given time frame.
- Hosting & Domain, SMS msg packs, Google Maps APIs, External SDKs are not included in the above cost estimate.
- If there are any paid API features the costing or api will be provided from the client end.
- All the private data of the clients i.e. customers of the website, and payments received via the website will solely belong to the client. Only the client will have access to data and the client can change the password of the server once the project is delivered.
- The development team will need server access for bug fixes & issue-solving the maintenance period will end.
- Any changes to the functionality including micro-improvements may incur additional costs accordingly.
- By accepting a quote, you agree to and accept the terms and conditions of Bellway Infotech Acceptance can be verbal, by email, payment of Initiation, or by signing a quote.
- Deployment on live server after completion of final milestone.
- Any delays at the client's end like delay in response to give clarification in development, delay in providing APIs (we are not given the time frame for 3rd party API time of Integration or any bugs or errors occurred), and Any delay from Payment Gateway approval will not count in the days of completion), may delay the project and proposed timeframes, and may incur additional costs.
- The above rates are fixed as we do not compromise with quality and services.
- The Content shall be provided by the client.
- All payments are nonrefundable.
- Service Timings are from 11 Am to 6 pm Mon to Friday except for Public Holidays.
- After the project is delivered and deployed as per the Client's requirements, the Service Provider will have no involvement in its operation, management, or usage. Any misuse, unintended consequences, or actions arising from the use of the software will be the sole responsibility of the Client. The Service Provider cannot be held accountable for such matters.

CONTACT DETAILS

Bellway Infotech

Email: support@bellwayinfotech.com, info@bellwayinfotech.com

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BANK DETAILS

Account Holder: Bellway Infotech

Bank: HDFC Bank

Account Type: Current Account

Account Number: 50200100381229

IFSC Code: HDFC0003693

CONCLUSION

This Agriculture Web Portal and Mobile Application will be a powerful platform to serve India's agriculture ecosystem, enabling real-time access to mandi prices, government schemes, research, expert consultation, and more. The proposed budget of Rs. 2,20,000 ensures a high-value, future-ready, scalable platform. We look forward to your confirmation to begin this project.