

BHUBAN – COMPLETE END-TO-END PRODUCT BLUEPRINT

1. Vision & Philosophy

Bhuban is a mobile-first, privacy-centric, AI-powered video ecosystem designed to be a human-friendly alternative to YouTube. It follows Apple-inspired interaction philosophy, ethical AI principles, and inclusive accessibility for all age groups.

2. Mobile-First UI & Design System

The UI uses layered cards, rounded edges, glassmorphism, adaptive typography, smooth animations, and gesture-first navigation. Motion is used as feedback, not decoration.

3. Global Navigation Architecture

Five-tab bottom navigation: Home, Shorts, Upload, Subscriptions, Profile. Supports swipe-based transitions, inertia scrolling, and elastic feedback.

4. Onboarding & Personalization

Interest selection, privacy preferences, accessibility setup, and AI introduction. AI explains choices in simple language.

5. Home Function

AI-curated feed, mini-player, explainable recommendations, long-press contextual controls, and retention-focused layout.

6. Shorts Function

Immersive vertical discovery feed with gesture-only controls, captions, AI explanation, and safety filters.

7. Upload & Creator Workflow

AI-assisted upload pipeline: video scan, title, description, chapters, accessibility metadata, monetization, and scheduling.

8. Subscriptions Function

Loyalty-focused feed with live indicators, creator prioritization, and smart notifications.

9. Profile & Settings

Central control hub for privacy, monetization, accessibility, AI configuration, parental controls, and account management.

10. AI System – SHREE

Smart Holistic Recognition & Explanation Engine. Performs video understanding, segmentation, summarization, visual narration, creator assistance, ethical checks, and recommendation transparency.

11. Accessibility Framework

Voice navigation, screen readers, high contrast modes, simplified UI, captions, and descriptive audio.

12. Privacy & Security

Minimal data collection, end-to-end encryption, consent-based personalization, child-safe defaults.

13. Monetization System

Ads, subscriptions, tips, memberships, shopping, and transparent revenue sharing.

14. Backend & Infrastructure

Cloud-native microservices, CDN, adaptive streaming, offline caching, scalable databases.

15. Testing & Quality Assurance

Automated UI, gesture, AI accuracy, accessibility, load, and security testing.

16. Deployment & Scaling

Global rollout strategy, localization, compliance readiness, and elastic infrastructure.

17. Future Innovation Roadmap

AR discovery, AI co-creation, decentralized identity, community moderation.

18. End-to-End Execution Flow

Research → Design → Development → Testing → Launch → Scale → Iterate.