Product Requirements Document (PRD)

Product Name: DPDPA 2023 Compliant Consent Manager

Version: 1.0

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1. Executive Summary

The **DPDPA 2023 Consent Manager** is a SaaS-based, multi-tenant platform designed to help Indian businesses comply with the **Digital Personal Data Protection Act (DPDPA) 2023**. It automates cookie consent management, data processing consent handling, and compliance reporting.

The platform enables organizations to **scan, collect, manage, and audit user consents** transparently while maintaining privacy and ensuring regulatory compliance.

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2. Objectives

- Provide a **complete DPDPA Act 2023 compliant** consent management solution.

- Offer **multi-channel consent capture** (cookies, forms, embedded widgets).

- Enable **real-time audit trails** and **reporting** for compliance.

- Ensure **privacy-by-design** via tokenization and anonymization of identifiers.

- Provide **subscription-based SaaS model** for scalability.

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3. Target Users

User Type	Description	Key Needs
Website Owners / Companies	Businesses needing to comply with DPDPA 2023	Easy setup, consent visibility, reporting
Developers / Agencies	Integrate consent tools into multiple sites	Embeddable scripts, APIs
Compliance Officers	Ensure legal adherence	Audit logs, export reports
Visitors / End-users	Provide data consent	Clear notice, control options, transparency

4. Core Features

4.1 Authentication & Onboarding

- Google, Twitter, and Apple ID login

- Email-based registration (optional)

- Onboarding wizard guiding setup

- Display of DPDPA compliance summary

4.2 Consent Management

DPDPA-Compliant Consent Popup

- First-visit popup for cookie/data collection

- Explains data collection, purpose, retention, processors

- Options: **Accept All / Reject All / Customize**

- Generates **unique Consent ID** (tokenized email)

- Multi-language support (22 Indian languages)

4.3 Dashboards

Main Dashboard

- Sidebar with sections: Setup, Cookie Consent, DPDPA Consent, Settings

- Subscription badge & plan indicator

- Mobile-responsive design

Cookie Consent Dashboard

- Real-time records: Total, Accepted, Rejected, Partial

- Device filters (Desktop/Mobile/Tablet)

- CSV export & search by Consent ID

- Tokenized emails for privacy

DPDPA Consent Dashboard

- Overview of processing activities

- Color-coded activity cards

- Consent vs. Revocation stats

- Detailed logs: timestamps, device, IP, actions

- Exportable compliance reports

4.4 Setup Module

Cookie Consent Setup

- Website scanner to detect cookies

- Automatic classification (Necessary, Functional, Analytics, Marketing)

- 3 banner templates with customizable logo, color, and text

- Embeddable script generator

- Multi-language support (Schedule 8 + regional Indian languages)

DPDPA Consent Setup

- Industry selection (E-commerce, Banking, Healthcare, etc.)

- Pre-loaded processing activities

- Custom activity creation

- 16+ Data attributes selection (PII categories)

- AI-generated purpose suggestions

- Retention period configuration

- Data processor/third-party details

- Auto-generated consent notice templates

- Embeddable script generator

4.5 Subscription & Payments

- **Plans:**

  - **Small:** ₹999/month

  - **Medium:** ₹2,499/month

  - **Enterprise:** Custom

- Features comparison matrix

- Payment gateway integration (Razorpay/Stripe)

- Subscription management via dashboard

4.6 Consent Widget

- Floating button on websites

- Opens consent preference center

- Allows consent modification and withdrawal

- Shows DPDPA compliance badge

4.7 Audit Trail & Reporting

- Logs all consent actions (grant, revoke, modify)

- Tracks device, IP, timestamp

- CSV/JSON export

- Compliance report generator

4.8 Settings & Profile Management

- Profile with photo upload

- Change password, enable 2FA

- Manage sessions

- Delete account

- Notification preferences

5. Technical Architecture

Database Schema

Tables:

- `users` – user details, auth providers

- `consent_records` – user consent details

- `cookie_scans` – scanned cookie data

- `processing_activities` – data processing details

- `subscriptions` – user plans and payments

Tech Stack (suggested)

- **Frontend:** React + Tailwind + Next.js

- **Backend:** Node.js (NestJS/Express)

- **Database:** PostgreSQL / MySQL

- **Auth:** OAuth2 + JWT

- **Payments:** Razorpay / Stripe API

- **Storage:** AWS S3 (for logos/files)

- **AI:** OpenAI / Llama API for purpose generation

6. Compliance & Security

Feature	Implementation

Privacy by Design	Tokenization, email redaction
Data Minimization	Collect only required attributes
Right to Revoke	Widget and dashboard-based revocation
Audit Trail	End-to-end logging
Encryption	At rest (AES-256) and in transit (TLS 1.3)
Multi-language Accessibility	22 Indian languages supported
Data Residency	Indian data centers (AWS Mumbai)

7. Non-Functional Requirements

Category	Requirement
Performance	<1s API response for most actions
Scalability	Handle 1M consent records per client
Availability	99.9% uptime
Security	OWASP Top 10 compliance
UX/UI	Modern, minimalistic, non-purple color scheme
Localization	RTL and regional language support

8. KPIs & Success Metrics

- **100% DPDPA compliance coverage** for all consent flows

- **>90% user satisfaction** in UX feedback

- **Sub-1 second response time** for consent submissions

- **Zero compliance violations reported** by users

- **Consents managed/month per user** metric to measure engagement

9. Future Enhancements (Phase 2)

- REST API + SDKs for external integration

- Consent analytics dashboard (heatmaps, trends)

- Auto cookie blocking pre-consent

- Admin multi-tenant management console

- Integration with popular CMS (WordPress, Shopify, etc.)

- Data subject request (DSR) automation under DPDPA

10. Timeline (Indicative)

Phase	Duration	Key Deliverables
Phase 1: Setup	Week 1–2	Database, Auth, Landing Page
Phase 2: Core Build	Week 3–5	Consent setup modules
Phase 3: Dashboards	Week 6–7	Cookie & DPDPA dashboards
Phase 4: Subscriptions	Week 8	Payment gateway & plans
Phase 5: QA & Compliance Review	Week 9	Bug fixes, DPDPA validation
Phase 6: Launch	Week 10	Public release