SMART INDIA HACKATHON 2025

TITLE PAGE

- **Problem Statement ID –** 25032

- **Problem Statement Title-** Development of a Smart Digital Platform to Promote Eco & Cultural Tourism in Jharkhand

- **Theme-** Travel & Tourism

- **PS Category- Software/Hardware** -Software

- **Team ID-** S62

- **Team Name (Registered on portal) - Pravas**

Tourism in Jharkhand is rich with natural beauty, tribal heritage, and eco-friendly attractions, yet visitors face significant challenges in finding authentic information, booking services, and connecting with local communities

- Develop an AI-powered platform (mobile app) for eco & cultural trip planning.
- Provide real-time navigation & transport info with interactive maps and alerts.
- Offer AR/VR previews of attractions .
- Build an integrated marketplace for homestays, eco-tours, workshops, and handicrafts.
- Enable secure payments & verified listings using blockchain certificates.
- Include an AI-driven multilingual chatbot .
- Add feedback & sentiment analysis tools to improve services.
- Provide an analytics dashboard for tourism authorities to monitor trends and sustainability.

Uniqueness

- AI-powered Personalized Itineraries
- Focus on Tribal & Eco Tourism
- Blockchain-secured Payments & Verification
- Local Community Integration
- Multi-format Content Delivery – Maps, AR/VR previews, text, audio, and video guides.

Tourist → Transport & Navigation, Chatbot Support, Feedback & Ratings, Book Homestays & Eco-tours, Login / Sign up «include», Buy Tribal Handicrafts «include», Explore Destinations, View AR/VR Previews

Service Provider → Register / Manage Listings

Admin → Analytics Dashboard, Verify Providers & Content
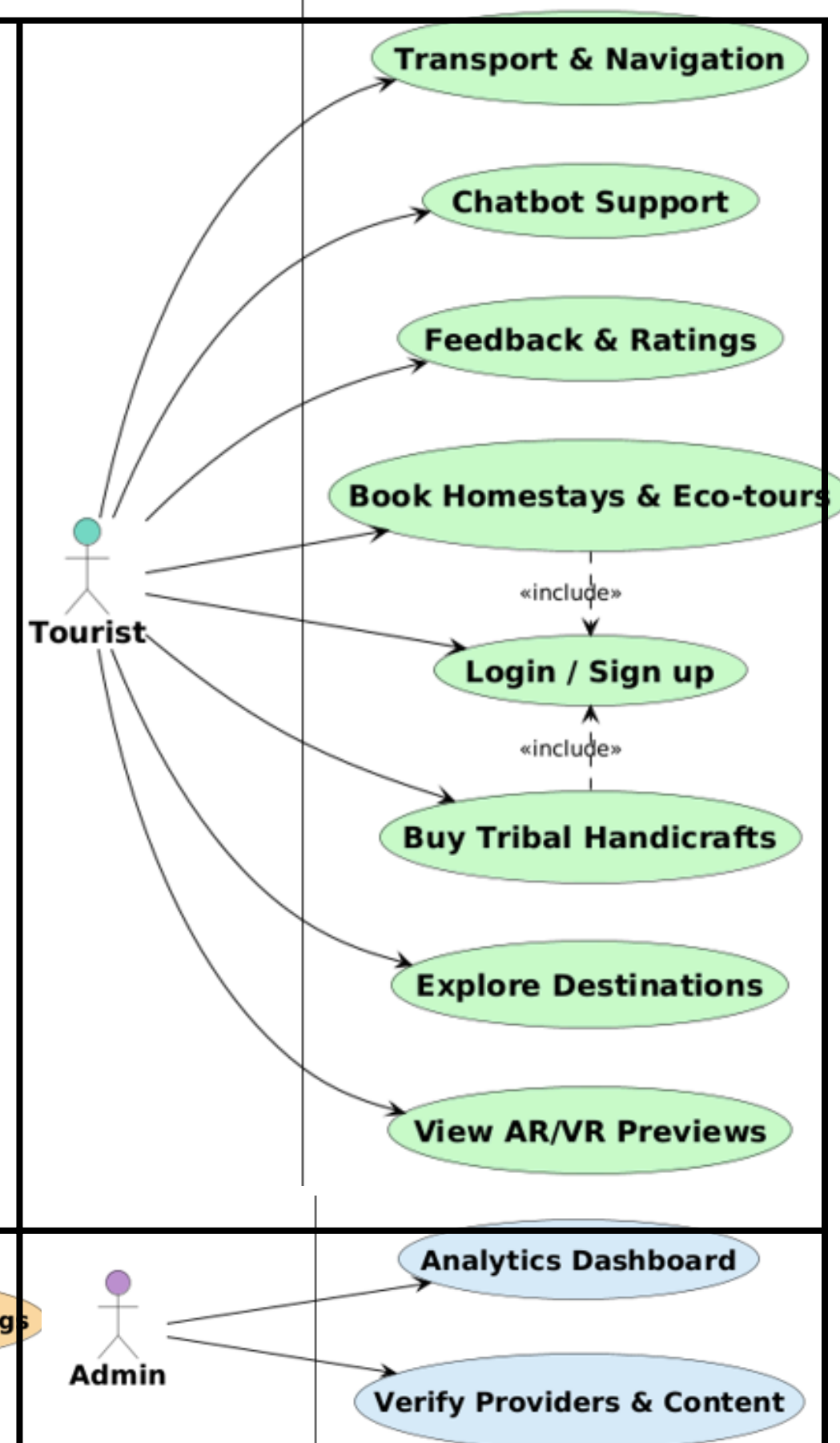
TECHNICAL APPROACH

- •Technologies to be used (e.g. programming languages, frameworks, hardware)
- •Methodology and process for implementation (Flow Charts/Images/ working prototype)
-

PRAVAS

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FEASIBILITY ANALYSIS

- **Technology:** Maps, AI, AR/VR, and blockchain can be integrated using cloud services and APIs.
- **Operational:** Tourists and providers access via app or kiosks; needs periodic updates and support.
- **Economic:** Setup costs for app, servers; revenue from bookings, marketplace, and ads.

CHALLENGES

- Live Data: Managing transport, AR, and booking info in real time.
- AI Quality: Keeping recommendations accurate and useful.
- Adoption: Training rural providers and tourists to use the platform.
- Connectivity: Weak networks in forests and tribal areas.

Strategies for Overcoming Challenges

- Technical: Use modular design, offline maps/AR, and pre-trained AI for better performance.
- Operational: Secure data-sharing with transport, set up helpdesk, and work with state tourism boards.
- Continuous Improvement: Gather feedback, track payments, and update AI with new data.

IMPACT AND BENEFITS

Potential impact on the target audience

- **Better Travel Experience:** AI itineraries, AR/VR previews, and live navigation make trips smooth and fun.
- **Support for Local Communities:** Artisans, homestays, and guides gain visibility and income.
- **Smarter Management:** Analytics help officials track visitors, revenue, and sustainability.
- **More Accessible Tourism:** Multilingual app enable use by rural and differently-abled travelers.
- **Preserved Heritage:** Promotes tribal art, festivals, and eco-sites, boosting pride and awareness.

Benefits of the solutions

- **Social Impact:** Encourages community engagement and preserves tribal identity.
- **Economic Growth:** Increases local employment through homestays, guides, and handicraft sales.
- **Environmental Care:** Supports responsible tourism, reducing waste and conserving natural sites.
- **Skills & Innovation:** Helps locals adopt digital tools, improve hospitality, and market their products.
- **Service Quality:** Continuous monitoring and feedback ensure better tourist experiences.

RESEARCH AND REFERENCES
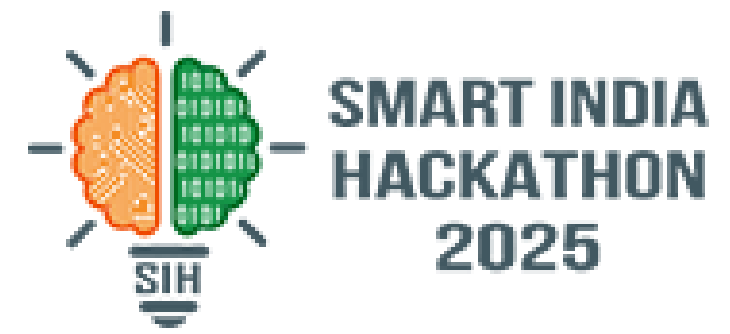
IMPORTANT INSTRUCTIONS

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Please ensure below pointers are met while submitting the Idea PPT:

1. **Kindly keep the maximum slides limit up to six (6). (Including the title slide)**
2. **Try to avoid paragraphs and post your idea in points /diagrams / Infographics /pictures**
3. **Keep your explanation precise and easy to understand**
4. **Idea should be unique and novel.**
5. **You can only use provided template for making the PPT without changing the idea details pointers (mentioned in previous slides).**
6. **You need to save the file in PDF and upload the same on portal. No PPT, Word Doc or any other format will be supported.**

   Note - You can delete this slide (Important Pointers) when you upload the details of your idea on SIH portal.