

SMART INDIA HACKATHON 2024

TITLE PAGE

- Problem Statement ID 1703
- Problem Statement Title- Let's Learn Constitution in a

Simpler Manner-Citizen Perspective

- Theme- Smart Education
- PS Category- Software
- Team ID- T047
- Team Name- Bridgix
- Project Name- Nagrik Aur Samvidhan





IDEA TITLE



What are we building?

A platform designed to make **the Indian Constitution** accessible to all citizens through engaging and simplified learning tools.

Problems Faced?

- **Complex legal language** makes the Constitution difficult to understand for the general public.
- Limited awareness and understanding of fundamental rights and duties among citizens.
- Lack of engaging and interactive resources to teach constitutional principles.
- Barriers to access due to language diversity and educational differences.

SOLUTION APPROACH

Multilingual support

Accessible content in multiple languages for diverse users.

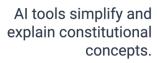




Gamification

Interactive games make learning fun and engaging.







Community

Collaborative platform for discussion and civic participation.

UNIQUE VALUE PROPOSITIONS(UVPs):

 Use Three.js for CONSTITUTIONAL EXPRESS (train) where stops reveals amendments, acts, and events with interactive Do You Know pop-ups.

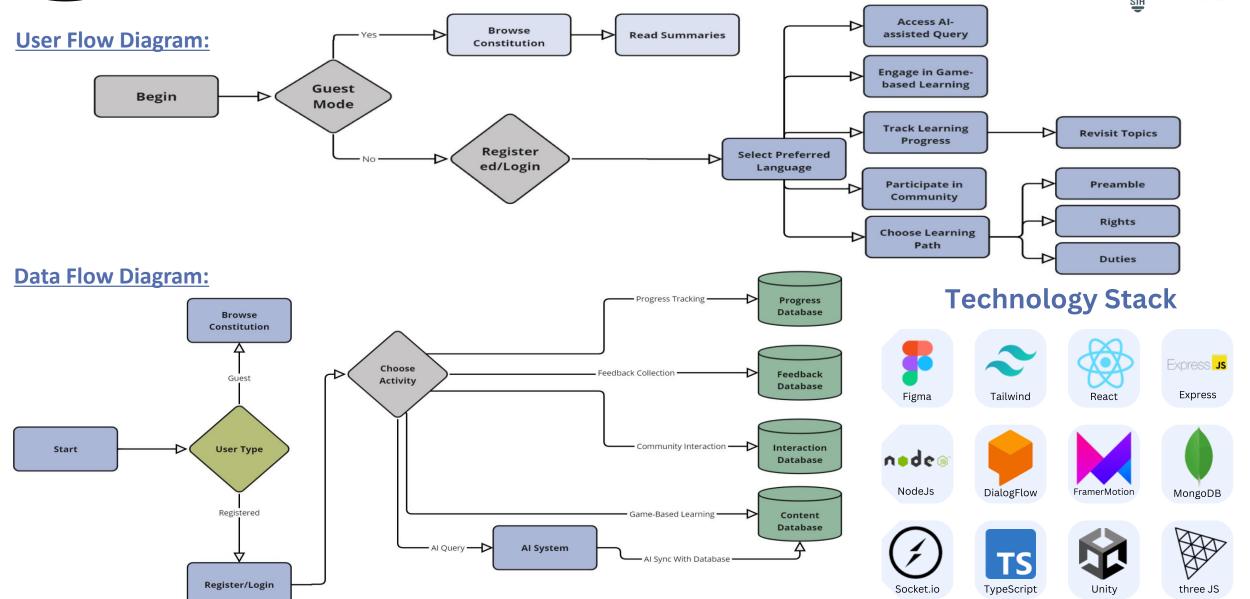


- Forums for debating the ethical and societal impacts of constitutional articles.
- Text-to-speech, screen readers, captions, and sign language support for differently-abled accessibility.
- Spaced repetition and adaptive quizzes to enhance long-term knowledge retention.



TECHNICAL APPROACH







FEASIBILITY AND VIABILITY





Development: User-friendly interface and interactive features.

Content Creation: High-quality multimedia content.

Maintenance: Regular updates and support.

Technical Feasibility



- •Initial Costs: Development, content creation, marketing.
- Ongoing Expenses: Maintenance and updates.
- Funding: Educational grants, sponsorships, crowdfunding.



- Target Audience: Students (8th grade+), educators, general citizens.
- Market Research: Identify gaps and opportunities.
- Accessibility: User-friendly for all educational backgrounds.

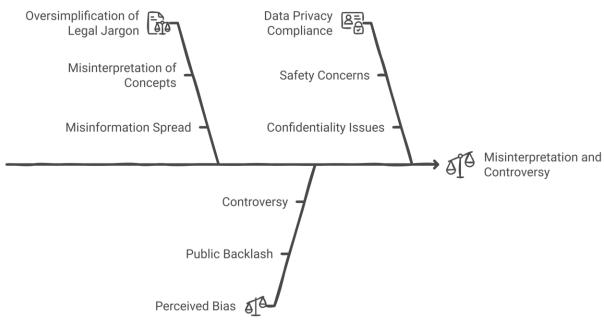
Market

Social **Feasibility**

- User Engagement: Feedback and collaboration with educational organizations.
- **Community Building:** Promote continuous improvement

Feasibility

Potential Risks & Challenges



Create varying levels of content complexity for children, youth, and adults.

STRATERGIES TO **OVERCOME**

Maintain neutrality by consulting experts and avoiding politically charged interpretations.

Implement encryption, privacy-by-design, and comply with data privacy laws.

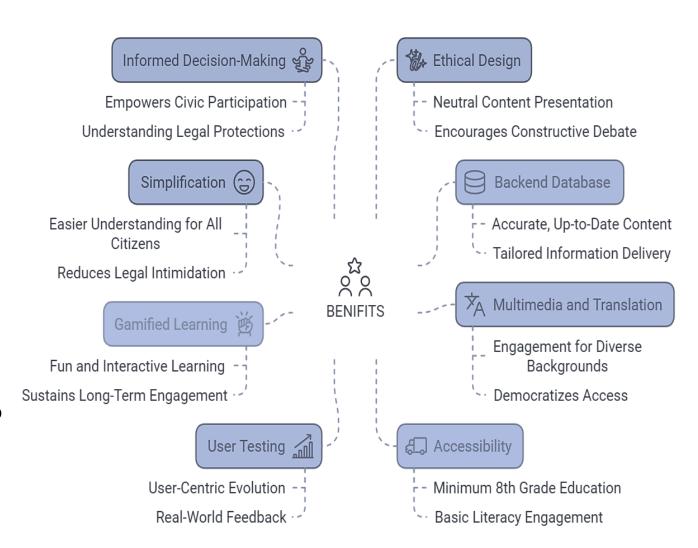


IMPACT AND BENEFITS



IMPACTS:

- **Ethical Decision Making:** learners, are equipped to make decisions grounded in constitutional principle leading to more responsible choices in personal, social, and political spheres.
- ❖ Increased Civic Engagement: Knowledge of the Constitution empowers citizens to engage in civic duties more actively.
- ❖ Fostering Critical Thinking: By engaging in these activities, users learn to analyze situations from multiple perspectives and question how constitutional principles apply to various scenarios.
- ❖ Enhanced Constitutional Literacy: Enhanced constitutional literacy means that more citizens, including youth and those from marginalized communities, are able to understand their legal rights and responsibilities.





RESEARCH AND REFERENCES

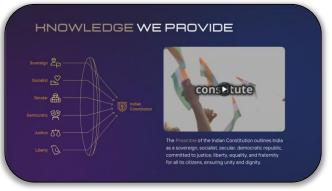


PROTOTYPE DESIGN AND DEVELOPMENT













Details / Links of the reference and research work

Al Integration: https://ieeexplore.ieee.org/abstract/document/8935748

Indian Constitution: https://legislative.gov.in/constitution-of-india/

One-on-one Interaction with Advocates: https://socket.io/docs/v4/

For Games and Interactive Models: https://docs.unity3d.com/Manual/index.html && https://threejs.org/docs/

DialogFlow: https://cloud.google.com/dialogflow/docs

