

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



UNIQUE VALUE PROPOSITIONS(UVPs):

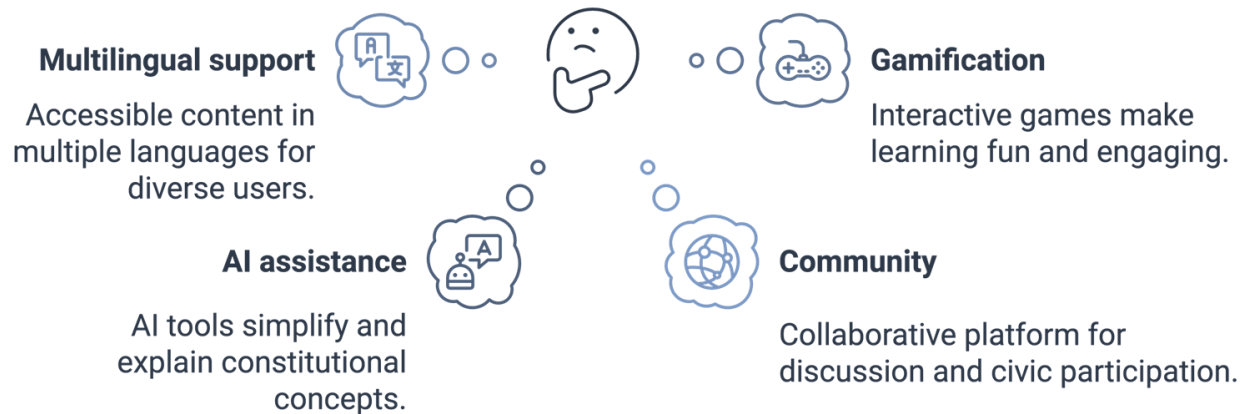
What are we building?

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.

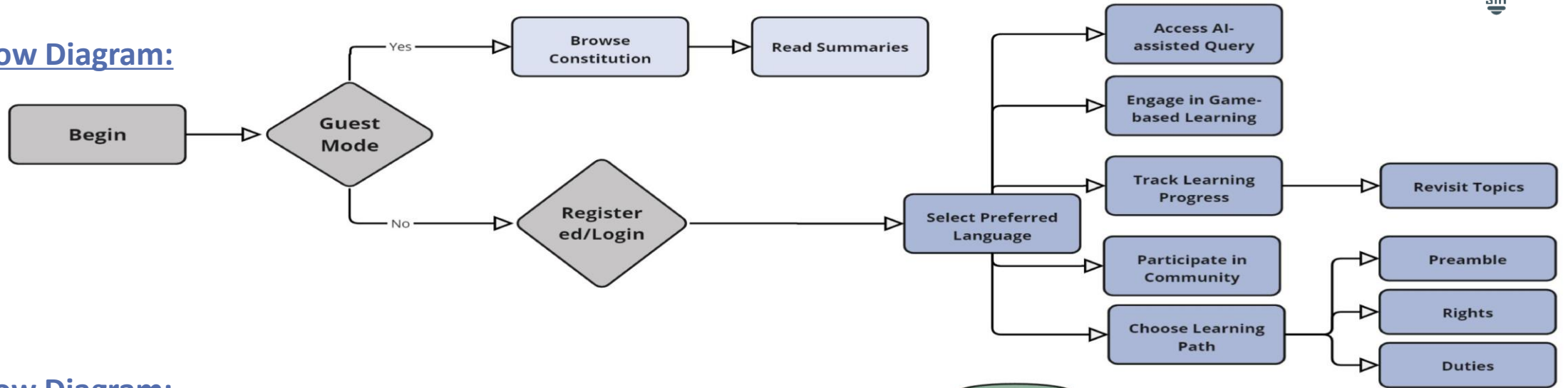
SOLUTION APPROACH



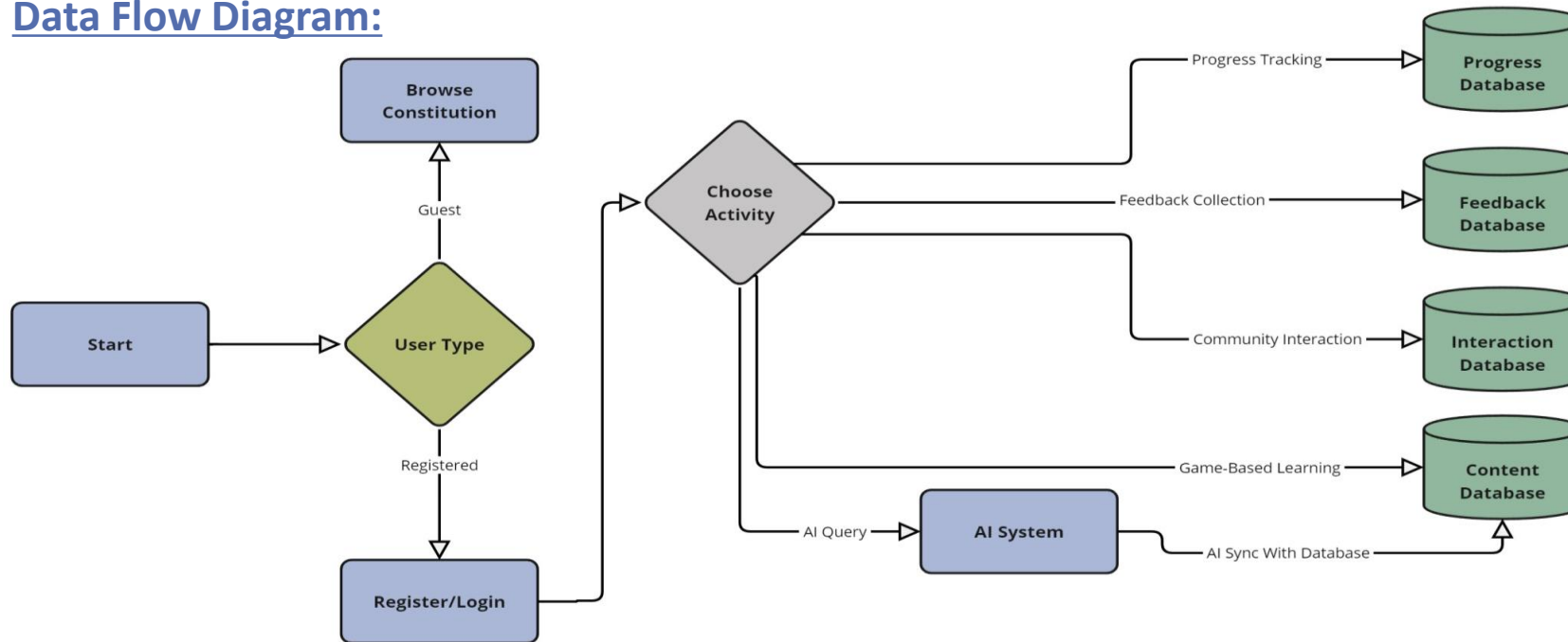
- Use **Three.js** for **CONSTITUTIONAL EXPRESS** (train) where stops reveals amendments, acts, and events with interactive **Do You Know** pop-ups.
- **Forums for debating the ethical and societal impacts** of constitutional articles.
- **Text-to-speech, screen readers, captions, and sign language support** for differently-abled accessibility.
- **Spaced repetition and adaptive quizzes** to enhance long-term knowledge retention.



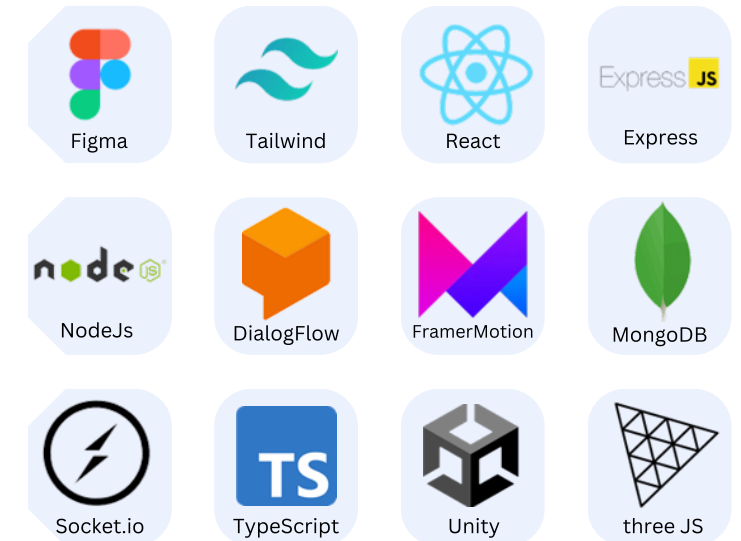
User Flow Diagram:



Data Flow Diagram:

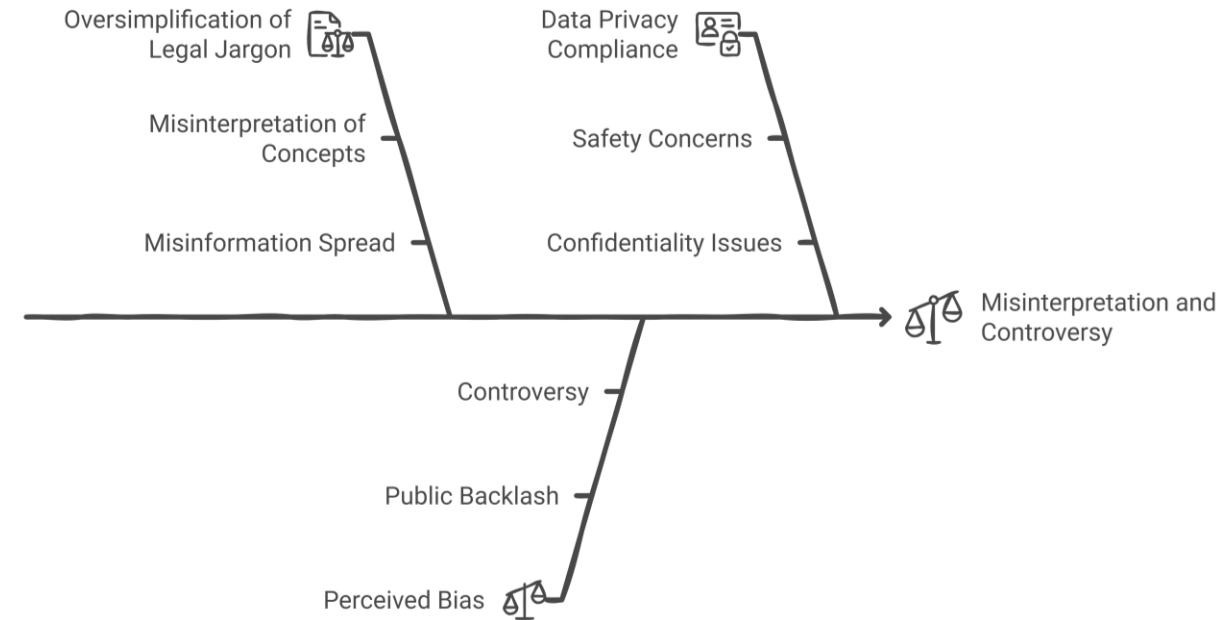


Technology Stack





Potential Risks & Challenges



STRATEGIES TO OVERCOME

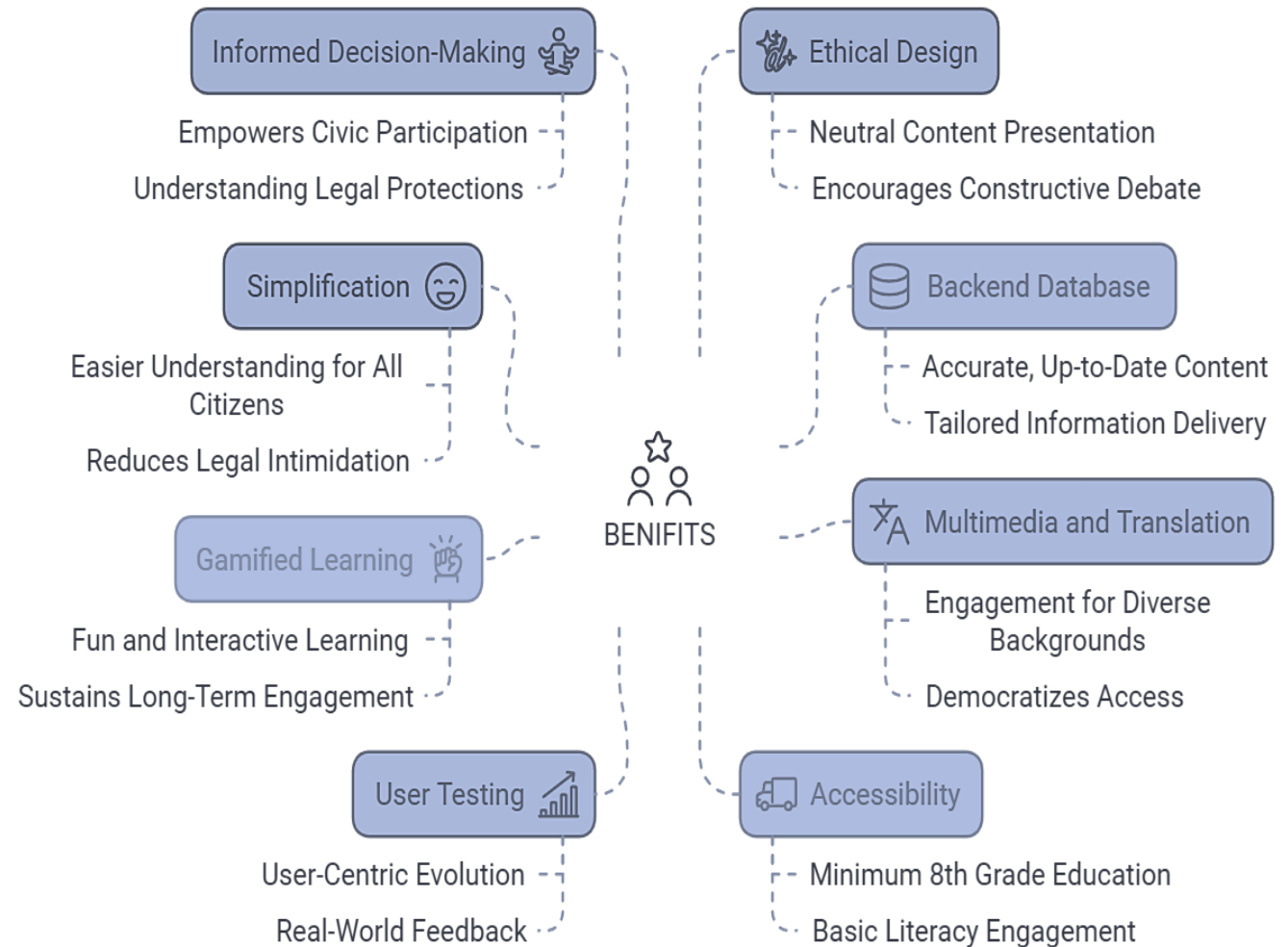
Create varying levels of content complexity for children, youth, and adults .

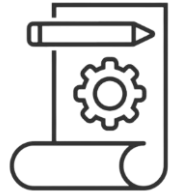
Maintain neutrality by consulting experts and avoiding politically charged interpretations.

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

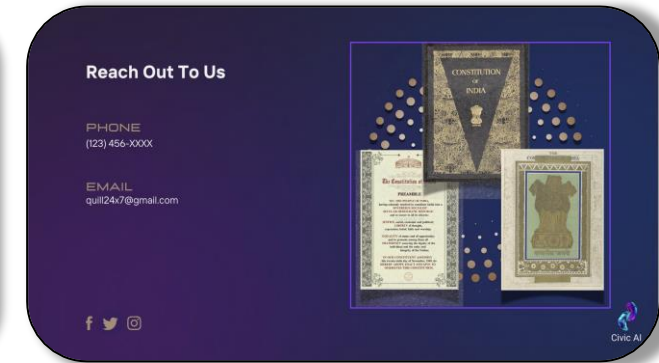
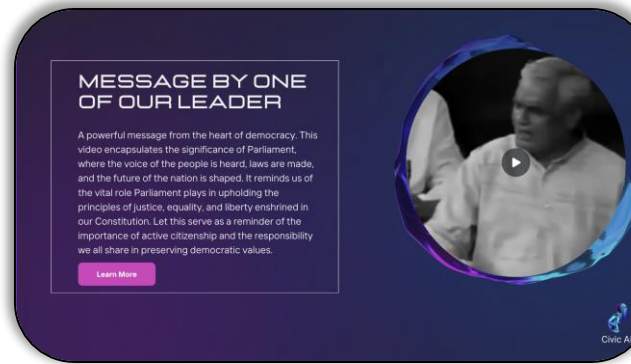
IMPACTS:

- ❖ **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.





PROTOTYPE DESIGN AND DEVELOPMENT



Details / Links of the reference and research work

AI 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>



Live Demo