WING BROWSER PROJECT PROPOSAL

Internet mu Kinyarwanda – Empowering Rwanda through Language and Technology

1. Problem Statement

Most browsers and search platforms in Rwanda operate primarily in foreign languages such as English or French, creating barriers for Rwandans who primarily communicate in Kinyarwanda. This limits accessibility, inclusion, and digital literacy for the wider population. The absence of a localized browser also means missed opportunities for Rwandan developers, entrepreneurs, and students to engage with digital content in their native language.

2. Project Description

The Wing Browser project aims to create Rwanda's first indigenous web browser that operates entirely in Kinyarwanda. It will feature a Kinyarwanda interface, built-in translation tools, local content promotion, and security settings tailored to Rwandan users. The goal is to bridge the language gap in digital technology and foster a culture of technological self-reliance.

3. Objectives

• Promote the use of Kinyarwanda in digital platforms • Enhance internet accessibility and inclusion for all Rwandans • Support local developers through open API integrations • Strengthen Rwanda's digital independence and innovation capacity

4. Key Features

• Fully localized user interface in Kinyarwanda • Smart translation and voice-to-text in Kinyarwanda • Local content recommendation engine • Advanced security and data privacy settings • Integration with Rwandan government and educational portals • Cross-platform support (Windows, Linux, Android)

5. Expected Impact

• Increased digital literacy rates among rural and urban communities • Preservation and promotion of Kinyarwanda language in technology • Job creation for software developers and translators • Strengthened local economy through digital innovation • Greater national pride and ownership of technological tools

6. Conclusion

Wing Browser will serve as a digital gateway for Rwandans to engage with the internet confidently, in their own language. It represents a strategic move towards linguistic empowerment, economic growth, and national digital transformation.