

PROJECT SUMMARY

Ref No.: MRIC/IBG3-CIEI/08	Title: Tech-Trails: Bridging History and Technology for Port-Louis' Heritage Landmarks
Local Institution: University of Technology, Mauritius (UTM)	
Project Leader	
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TECHNICAL ABSTRACT	
The project proposes the development of a technology-powered heritage trail in Port-Louis, designed to enhance visitors' experience through innovative digital engagement. Aligned with the goals of the UNESCO Creative City Network, this initiative supports Port-Louis' vision of becoming an inclusive, sustainable, and future-proof creative city. Using a progressive web application, the Tech-Trail offers a dynamic and revolutionary way for visitors to interact with the city's historical heritage. Central to this project is the development of a robust digital infrastructure comprising a secured back-end platform for efficient content management and updates, and a user-friendly front-end interface designed for accessibility and engagement. The system will incorporate GPS coordinates with an accepted 10m civilian accuracy range. A key feature of the Tech-Trail is the deployment of QR code display stands at selected iconic heritage sites. Scanning these codes will grant immediate access to exclusive content, including historical narratives, professional photography, illustrated infographics, and multimedia presentations. This cutting-edge approach redefines heritage exploration, bridging tradition and technology while preserving and promoting the cultural and historical identity of Port-Louis in an innovative digital format.	
Key Words: Tech-Trail, Progressive Web App, UNESCO Creative City Network, Bridging tradition and technology, Historical heritage, Digital engagement	