

Developing a Vietnamese website for the Ministry of Science and Technology of Laos

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Abstract: This study details the development of a Vietnamese-language website for the Ministry of Science and Technology of Laos. Recognizing the critical role of cross-border scientific collaboration and the linguistic barriers faced by Vietnamese-speaking researchers and partners, the project aimed to create a localized digital platform to enhance information accessibility and administrative transparency. The methodology encompassed a needs analysis of target users, followed by the design and implementation of a bilingual content management system. Key features include a comprehensive interface for publishing policies, research funding opportunities, and project updates in Vietnamese, alongside the original Lao content. Technical challenges, such as Unicode encoding for Vietnamese diacritics and server-side language switching, were addressed to ensure seamless functionality. The resulting platform facilitates more effective communication between Lao institutions and the Vietnamese scientific community, promoting regional knowledge exchange. This work demonstrates a practical model for linguistic localization in government digital services, with implications for broader ASEAN integration efforts.

Keywords: Vietnamese website, Ministry of Science and Technology of Laos, website development, e-government