Final Project Report
(Executive Summary)
Form

I. Title of Proposed Project: ASEAN Language Speech Translation thru' U-STAR

II. Project Leader:

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III. Project Members:

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IV. Total Amount (US$): US$87,000

V. Duration (6-36 Months): 1 July 2016 to 30 June 2019

VI. Executive Summary

Speech-to-speech translation system, which allows a user's speech to be translated into designated languages with synthesized voices, is a challenging and ongoing worldwide research carried out in many research institutes. Such system is expected to be the nexus of services delivery and applications for consumers and businesses in the future to bridge the language gaps. This project aimed to promote innovative application development using U-STAR services and promote the use of U-STAR services within ASEAN to benefit the community in human communication and language learning.

Leveraging on U-STAR infrastructure, the project team collectively developed a mobile application – uniTRANS, to provide speech-to-speech translation to facilitate communication among ASEAN community. To encourage the use of this application among different language speaking users, the team localized the user interface to all native languages of the project team members.

On top of the mobile app, the team developed the speech data collection guidelines and developed language resources to promote the research and development on low-resources ASEAN languages.

The project also held two workshops to share and exchange research ideas.