Appendix A

Exploratory DSL Projects

	Auto In-Mall Distribution	Intelligent Data Centres	National Speech Corpus
Situation and Challenges	Menial last-mile delivery activities require significant manpower and manual delivery of goods No clear industry stakeholder to initiate transformation of the logistics chain Economic impact is spread across multiple stakeholders	Data centres need better prediction of power usage, failure prediction, load bearing etc. to maximize capacity No easily accessible technology to enable predictive capabilities for data centres' power fluctuations and use	Few speech corpora available for locally-accented English Limits speech application growth in Singapore High developmental costs and difficult justification for commercial entity to create a large shared locally-accented English corpus
Value Proposition	Developing a multi-modal automated delivery system could free up deliveries beyond the work day and free up manpower	Intelligent Sensing Toolbox could compile multiple-variable systems and monitor them (such as via outlier identifications) to predict data centre power use and fluctuations	A National Speech Corpus can improve accuracy of speech applications for the local context and lower overall costs of development, through a common digital infrastructure layer
Beneficiary	Logistics Service Providers, Retailers, Mall Operators and ICM players	Data Centre operators and ICM players	ICM players developing applications using speech as an interface