

Annex A
Exploratory DSL Projects

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