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|  **Call for Problem Statement** |
| **0** | **Title:** | • .E.g.:• Legacy Planning• Detect abuse of psycho active substance |
| **1** | **Problem Statement:** | “How to+ improve citizen’s awareness on the need for legacy planning and provide relevant information [verb/action that addresses the root issue]+ through online portal prior to development of their respective wills [within certain constraints/preference]”E.g.: How to reward [action] people for recycling waste at home [constraint]? |
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| **2** | **Current Situation** | • .E.g.:• A survey conducted by the AGENCY revealed that 90% of working class individuals have not written a Will as part of legacy planning. Another survey conducted in a public forum by Rockwills Singapore in 2017 noted that only 33% of respondents had drawn up their Wills. It is also significant to note that 56% of the respondents were aged 55 and above and 32% of the total respondents were either single, divorced or widowed.• AGENCY is exploring if the development of an innovative service is needed to nudge citizens to commence as well as empower themselves with the knowledge and clarity to do proper legacy planning at any point of their adult life via the legacy planning engine.• ...  |
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| **3** | **Challenges** | • .E.g.:• Many citizens are also not starting their legacy planning early for a few reasons; not knowing where and how to start, or who to appoint as executor are examples mentioned by Rockwills Singapore.• ... |
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| **4** | **Requirements** | * .

E.g.:• Translation device and/or engine that can support real-time translation on-site and via online interactions e.g. chatbot, surveys; and offline interactions e.g. call centre, face-to-face customer service• Neural Machine Translation (NMT) approach to predict the likelihood of a sequence of words, typically modelling entire sentences in a single integrated model• Recurrent continuous translation models that are based on continuous representations for words, phrases and sentences and do not rely on alignments or phrasal translation units• Data extraction engine to retrieve information from submitted returns in various formats• Domain specific information retrieval platform to organise, filter and intelligently retrieve information from volumes of visitor registration• Data analytics techniques to create visitor traffic flow models based on visitor registration to help determine what is the norm and aberrant spikes to identify specific cause for meaningful intervention• Visualisation aids in the form of a dashboard that help clearly highlight high-risk areas where crowds are forming • Analysis and trending so as to inform on an appropriate intervention action which may include but not limited to manpower deployment, temporary route closure, diversion of human traffic and ad-hoc performance• ... |
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| **5** | **Technology Areas (but not limited to)** | * .

E.g.: • Natural Language Processing• Deep Neural Machine Learning/Translation• Cloud-based Machine Translation Platform• Geo-location tagging• Data Analytics • Video Analytics• … |
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| **6** | **Desired Outcome** | * .

E.g.:• Ability to translate other Asian languages such as Japanese, Mandarin, Korean to English and vice versa. • It takes approximately between 40-60 man-hours (~8 man days) for 1 staff to be deployed at bottle neck feature areas of tourist attractions to move and control visitor traffic• … |
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| **7** | **Problem Statement Owner** | * .

E.g.:• Ministry ABC• Stat Board XYZ |