

<p>TITLE</p>	<p>Decision Support System with Artificial Intelligence (AI) for Key Government Agencies</p>
<p>PROBLEM STATEMENT</p>	<p>In facing the need for efficient, effective, transparent, and accountable decision-making in government agencies, we need to embrace the principles of good governance. According to the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), good governance in government is essential to ensure operational efficiency, wise use of resources, compliance with public responsibilities, and holistic progress of the country. Often, decisions are made without a solid statistical basis, leading to less convincing results and potentially unwanted risks. To overcome these challenges, digital and autonomous services can provide access to government agencies through AI-powered tools and systems. This enables the automation of decision-making tasks and provides a clear audit trail for each action. With this, government agency decision-making can be improved, making it more efficient, effective, and transparent.</p>
<p>SPECIFICATIONS</p>	<p>An integrated solution to improve decision-making efficiency in government agencies, includes:</p> <ol style="list-style-type: none"> 1. Public Sector Data Centre (PDSC): <ol style="list-style-type: none"> i. The system must be hosted in the public sector data centre (PDSC). ii. Ensure the willingness of cooperation and support provided by the selected ministry/agency (among stakeholders) because this project involves access to data that may be considered sensitive for the entities involved. iii. Encourage better collaboration and facilitate access to the data needed to make decisions. 2. Standard AI Model: <ol style="list-style-type: none"> i. It is necessary to conduct a comparative study between AI models to identify the most suitable model for the use of government departments/agencies. ii. Implementation of standardized AI models across departments to streamline development and maintenance processes. iii. Aims to reduce the costs associated with developing and maintaining individual AI models. 3. Knowledge Repository: <ol style="list-style-type: none"> i. A comprehensive knowledge base containing best practices and learning experiences in decision-making. ii. Enable agencies to learn from each other, drive continuous

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	<p align="center">improvement, and avoid repeating past mistakes.</p> <ol style="list-style-type: none"> 4. The solution developed must be related to at least one of the five national priority areas contained in the National Artificial Intelligence Roadmap 2021-2025 document as follows; <ol style="list-style-type: none"> i. Agriculture & Forestry; ii. Medicine & Healthcare; iii. Smart Cities & Transportation; iv. Education; and v. Public services. 5. The system or solution developed must comply with the seven responsible AI principles: <ol style="list-style-type: none"> i. Justice; ii. Reliability, security and control; iii. Privacy and security; iv. inclusiveness; v. Transparency; vi. Accountability; and vii. Human welfare and happiness. <p>Also, referring to the latest relevant specifications and resources considers the development of artificial intelligence technology, which is growing now.</p> <p>Applicants must comply with all the above specifications.</p>
<p align="center">JUSTIFICATION</p>	<p>The implementation of this project is essential because:</p> <ol style="list-style-type: none"> 1. Improve operational efficiency through reduced reliance on manual processes. 2. Increasing access to digital services to increase citizen engagement. 3. Increasing the effectiveness of government services through the automation of routine tasks. 4. Enables agencies to analyze data to make more informed decisions. 5. Develop artificial intelligence applications to address social challenges such as poverty and Education.
<p align="center">EXPECTED RESULTS OF THE PROJECT</p>	<ol style="list-style-type: none"> 1. Implement a digital platform for efficient collection, organization, and analysis of government agency data. 2. Implementation of AI decision models for agency strategic decision-making. 3. An online application system that facilitates the process for any

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	<p>service application for citizens</p> <p>4. Automated system for application processing and online government services with a clear audit trail</p> <p>Applicants must deliver all the above expected outputs.</p>	
MAXIMUM FUNDING (RM)	5 million	
STAKEHOLDERS	<ol style="list-style-type: none"> 1. Ministry of Science, Technology, and Innovation (MOSTI) 2. Ministry of Human Resources (MOHR) 3. Ministry of Higher Education (MOHE) 4. Ministry of Natural Resources and Nature Sustainability 5. Ministry of Communications 6. Ministry of Digital 7. Jabatan Digital Negara 	
APPLICATION	Application Channel	<p>Applications for the Strategic Research Fund – RFP (SRF-RFP) can be made through the MOSTI Integrated Fund System at the link.</p> <p>SDB: SRF-RFP</p>
	Application Period	7 March 2024 - 22 April 2024
	Application Guidelines	Details of application requirements as stated the SRF-RFP Guidelines at the link