

## Government Problem Statement

<b>9.</b>	<b>Problem Statement Title</b>	Using existing CCTV networks for crowd management, crime prevention, and work monitoring using AI/ML.
	<b>Description</b>	<p>Using existing CCTV networks for crowd management, crime prevention, and work monitoring with AI/ML integration enhances the functionality of surveillance systems by adding real-time intelligence and predictive capabilities. Traditionally, CCTV networks have been used for passive observation, but with AI and machine learning, these systems can proactively identify threats, detect unusual behaviour, and automate responses to improve security and efficiency.</p> <p>AI-powered systems analyze live video feeds from CCTV cameras, enabling them to recognize patterns, detect faces, identify suspicious activities, and even predict potential risks based on historical data. For crowd management, AI can analyze crowd density, movement patterns, and potential overcrowding in public spaces or events, triggering alerts for preventive actions. This helps authorities intervene before situations escalate.</p> <p>In crime prevention, AI algorithms can identify criminal activities such as theft, vandalism, or unauthorized access by detecting abnormal behavior, unusual movements, or patterns of interest. For instance, if a person enters a restricted area or acts suspiciously, the system can send immediate alerts to security personnel.</p> <p>For work monitoring, AI can track employee activities, ensure safety protocols are followed, and improve workflow efficiency in construction sites, factories, or workplaces by detecting risky behaviors and accidents in real time.</p> <p>Integrating AI/ML with existing CCTV infrastructure allows for a more intelligent and responsive surveillance system, reducing human errors, enhancing safety, and enabling authorities to make informed decisions quickly. This approach maximizes the potential of existing infrastructure, offering significant cost savings while improving overall security and operational efficiency.</p>
	<b>Department</b>	Police Department
	<b>Sector</b>	Public Safety, Security, Threat Intelligence and Smart City