Recommendations derived from the study regarding the role of artificial intelligence in enhancing the efficiency of facilities and infrastructure management within smart cities, as well as the challenges associated with their implementation, are as follows: 1.**Promoting innovation in artificial intelligence**: Continuous support for research and development in the field of artificial intelligence should be encouraged to foster innovative solutions.**Ongoing training and skill development for personnel**: Specialized training programs should be established for facility staff and engineers to enhance their proficiency in utilizing artificial intelligence technologies, thereby improving overall performance and operational efficiency.**Assessing initial investment costs**: To ease the adoption of technological solutions in smart cities, strategies should be explored to lower the initial costs associated with AI applications, such as enhancing government funding or stimulating private sector investments.**Investment in digital infrastructure**: Smart cities should prioritize investments in upgrading digital infrastructure, including advanced internet connectivity, data storage solutions, and .cloud computing capabilities, to facilitate the effective deployment of artificial intelligence.2.3.4.5.6.7

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