Chapter 8
Conceptualizing Sustainable Smart Country:
Understanding Its Dependency on Smart Social Structure

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ABSTRACT

The Sustainable Smart Country is a concept that explores the relationship between technological infrastructure and social structures, focusing on the role of a smart social framework in achieving sustainability on a country-wide scale.This research uses a comprehensive approach, combining urban planning, information technology, and social sciences to understand the complex web of dependencies between

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technological advancements and the underlying social fabric. The success of a Smart Country depends on the integration of cutting-edge technologies and the astute design and cultivation of a smart social structure.The research employs a multi-disciplinary lens, drawing from case studies, data analytics, and theoretical frameworks to understand the dynamics at play. The research aims to bridge the gap between sustainability, smart technology, and social structures, contributing to the ongoing discourse on urban development and creating intelligent, sustainable nations.

1 INTRODUCTION

1.1 Background

The purpose of this study is to investigate the connection that exists between technological improvements and social frameworks in smart cities. More specifically, the research focuses on the idea of a Sustainable Smart Country (SSC) and the vital dependence that it has on Intelligent Social Structures (SSS). The concept of sustainable development is becoming increasingly important as the global community gets more integrated. According to (Ninčević Pašalić et al., 2021), smart cities are characterized by their incorporation of sophisticated technologies that aim to enhance efficiency and quality of life. However, the success of these cities is contingent upon the dynamic and adaptable nature of the social fabric. The study follows the development of smart cities from the beginning of digital adoption to the present day, when artificial intelligence, big data, and the Internet of Things are all prevalent. This highlights the importance of taking a holistic approach that takes into account both the social and economic components. The effectiveness of smart cities, as stated by Parra-Domínguez et al. in 2021, is contingent upon the intelligence and resilience that are ingrained into their established social systems. Adaptability, inclusivity, and collective intelligence are the hallmarks of a sustainable smart country, which is a nation-state that makes use of cutting-edge technologies for the sake of urban growth while simultaneously cultivating a social structure that features these characteristics.

The investigation makes use of a multidisciplinary approach, drawing on contributions from the fields of urban planning, sociology, technology, and environmental science. An in-depth comprehension of the potential and problems that are inherent in the convergence of technological innovation and societal structures can be gained via the examination of case studies of smart cities that are already in existence. The research also investigates the role that governance, citizen participation, and cultural elements play in the formation of the intelligent social structure that is necessary for a sustainable smart country (Evertzen et al., 2019). This research provides politicians,