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Abstract

An approach to analyze the risks, pros and cons as well as availability of resources in a specific urban area for a specific industry using machine learning libraries and generative AI models

**Settling industries in urban area**

An approach to make the industrialists know about the area where they are planning to set up an industry

**About The Problem**

**Urban planners, business investors, and policymakers often face challenges in evaluating the viability of setting up specific industries in urban areas. Each industry presents unique pros, cons, risks, and environmental or regulatory considerations that must align with the urban area's characteristics, infrastructure, and demographic needs. However, assessing these variables manually for multiple potential industries can be complex, time-consuming, and prone to oversight.**

**Our Approach**

**Our AI-based application addresses this gap by providing a comprehensive evaluation of potential industrial setups in designated urban areas. By analysing factors such as economic impact, environmental risks, regulatory constraints, and community needs, the tool offers actionable insights to support informed decision-making. The application aims to streamline the process of industry selection and promote sustainable urban growth by balancing industry benefits with the wellbeing of urban ecosystems and communities.**

**Deliverables**

* **Link of our analytics website**
  + [**https://communicative-retention-320349.framer.app**](https://communicative-retention-320349.framer.app)
* **Link of our generative AI based suggestion website**
  + [**https://isi-submission-urban.streamlit.app**](https://isi-submission-urban.streamlit.app)
* **Link of GitHub Repository**
  + [**https://github.com/Megh2005/ISI-Submission**](https://github.com/Megh2005/ISI-Submission)
* **Dataset URL**
  + [**https://github.com/Megh2005/ISI-Submission/dataset**](https://github.com/Megh2005/ISI-Submission/blob/main/TM_BUDGET_SPENDING_FY17-FY19.xlsx)
* **Official Documentation**
  + [**https://tinyurl.com/isi-docs-urban**](https://tinyurl.com/isi-docs-urban)

**User Workflow**

**Tech Stack & Installation**