PROJECT PROPOSAL V.1

COVID-19 (Coronavirus) Live Report Generator.

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Project Proposal

COVID-19 Information [source: *who.int*]

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. The best way to prevent and slow down transmission is be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol-based rub frequently and not touching your face.

Project Overview

COVID-19 Report Generator tool will be used to generate visually-rich customized reports related to Coronavirus disease. These reports will consist of processed data, future predictions, graphs, histograms, and charts which will help us to understand the spread of Coronavirus in India. The data source for this tool will be the **Ministry of Health and Family Welfare Government of India.** (https://www.mohfw.gov.in/) and **Government of India** (https://www.mygov.in/covid-19/).

Technical Requirements

Language: Python 3.8+	
Web Scraping and Extraction	Selenium, Beautiful Soup, urllib3.
Data Cleaning and Processing	NumPy, Pandas.
Machine Learning	Scikit-learn
Data Visualization and Reporting	Matplotlib
Database System	SQLite

Working: