MGNREGA District Performance Web/Mobile App

The Government of India has released an Open API for the monthly performance of a district in the MGNREGS government program. The data, while made available as an API, is not accessible to common people of the District who are not technically savvy or have high data literacy.

MGNREGA is one the largest welfare programs in the world. In just 2025, 12.15 Cr rural Indians have benefitted from the program.

You decide to create a web/mobile app where any citizen can select their District, and they will be able to understand the performance of their District in the MGNREGA program in an easy to understand manner. They will not only be able to see current but also past-performance, comparatives etc to fully get a picture of how their District is performing.

You are preparing the website for large-scale use across India, you cannot rely always on the uptime of the data.gov.in API either as they may rate-limit or even throttle you. It is possible that it is not always up. Similarly, take other design decisions as necessary to make the system production-ready.

You will be judged on two things:

Your design of the interface and how it caters to a low-literacy population in rural-India. It is possible, not everyone even knows what all the things actually mean.

Your technical architecture decisions and their implementation from a perspective of creating a production ready website accessed by millions of Indians.

For the purpose of this assignment, you can select just one large state