

District Progress Tracer: E-Governance using Cloud Storage

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Abstract: *This is an integrated web-based system designed to facilitate transparent, efficient, and real-time monitoring of developmental activities and departmental performance within a district administration. The project aims to provide a centralized platform that enables administrators to oversee and evaluate data submitted by various departments, thereby promoting data-driven governance. The system supports multiple modules including user authentication (with role-based access for Admin and Heads of Departments), real-time data entry for departments like Certificate Record, Land Record, Police Record, and Social Security Schemes, and a Grafana-based visualization dashboard for performance analytics.*

The application supports cloud-based storage and integrates with third-party services like Grafana for dashboard visualization. One key innovation is the use of mock login data during development and the potential for integration with cloud-hosted databases such as Aiven or , enabling scalability. Additionally, the system includes modules for project management, performance evaluation, real-time monitoring, and reporting, each contributing to a holistic view of district progress

Keywords: District administration, Cloud Computing, role based access, form validation

