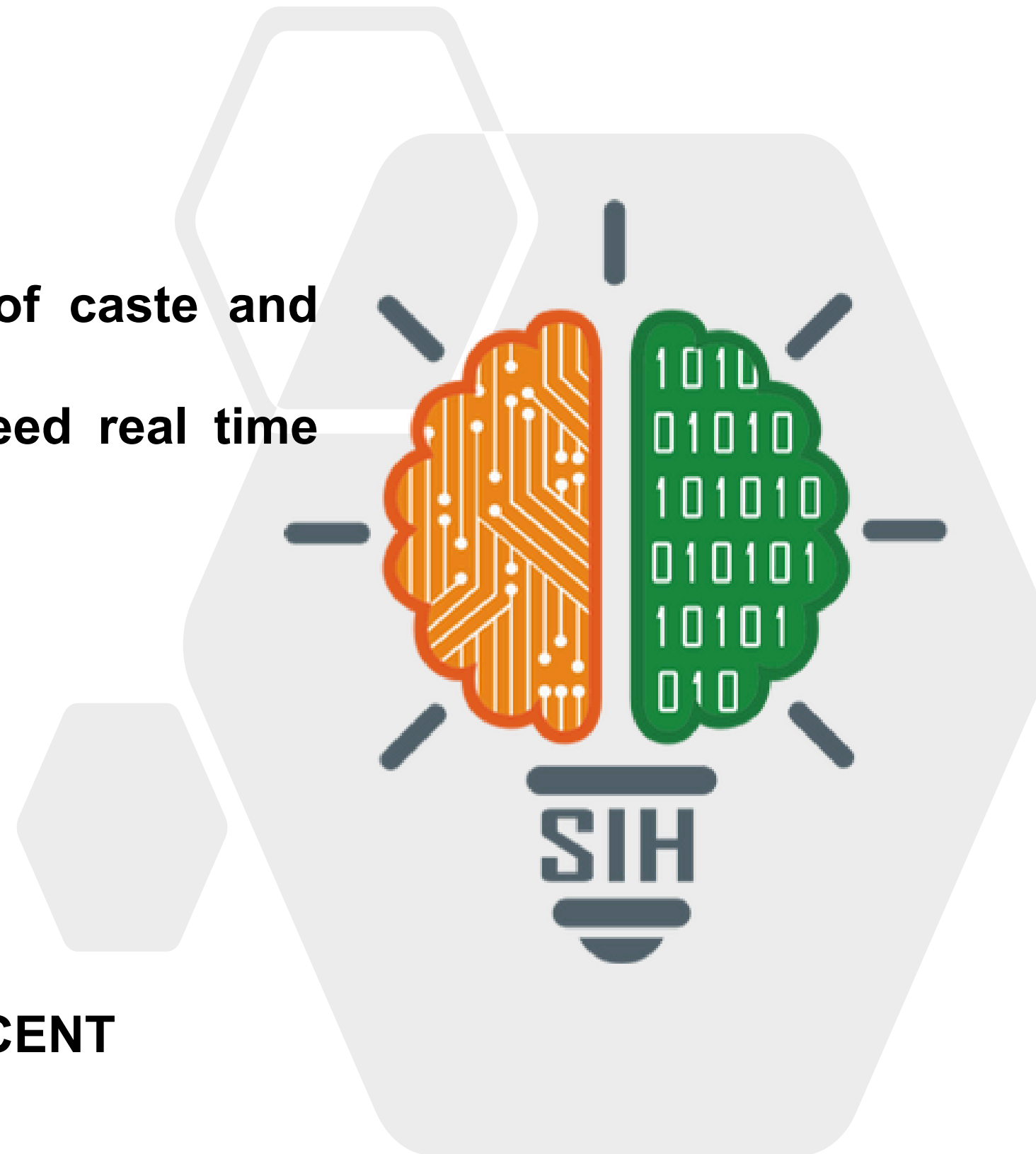
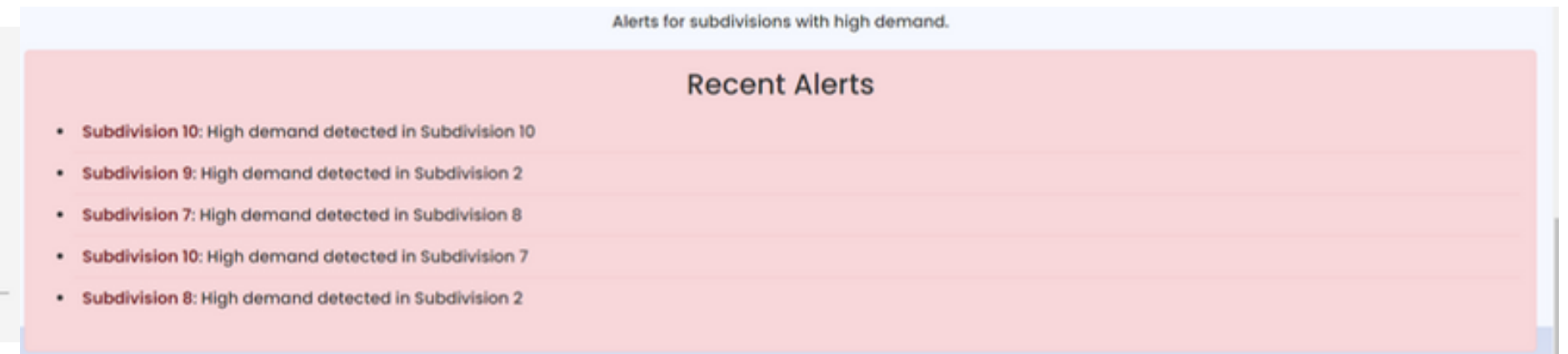
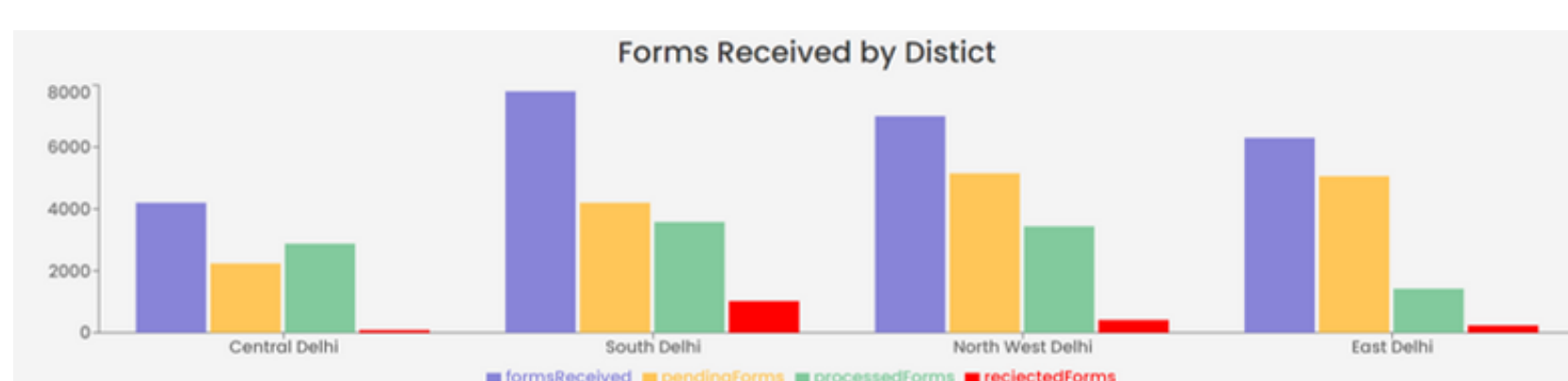


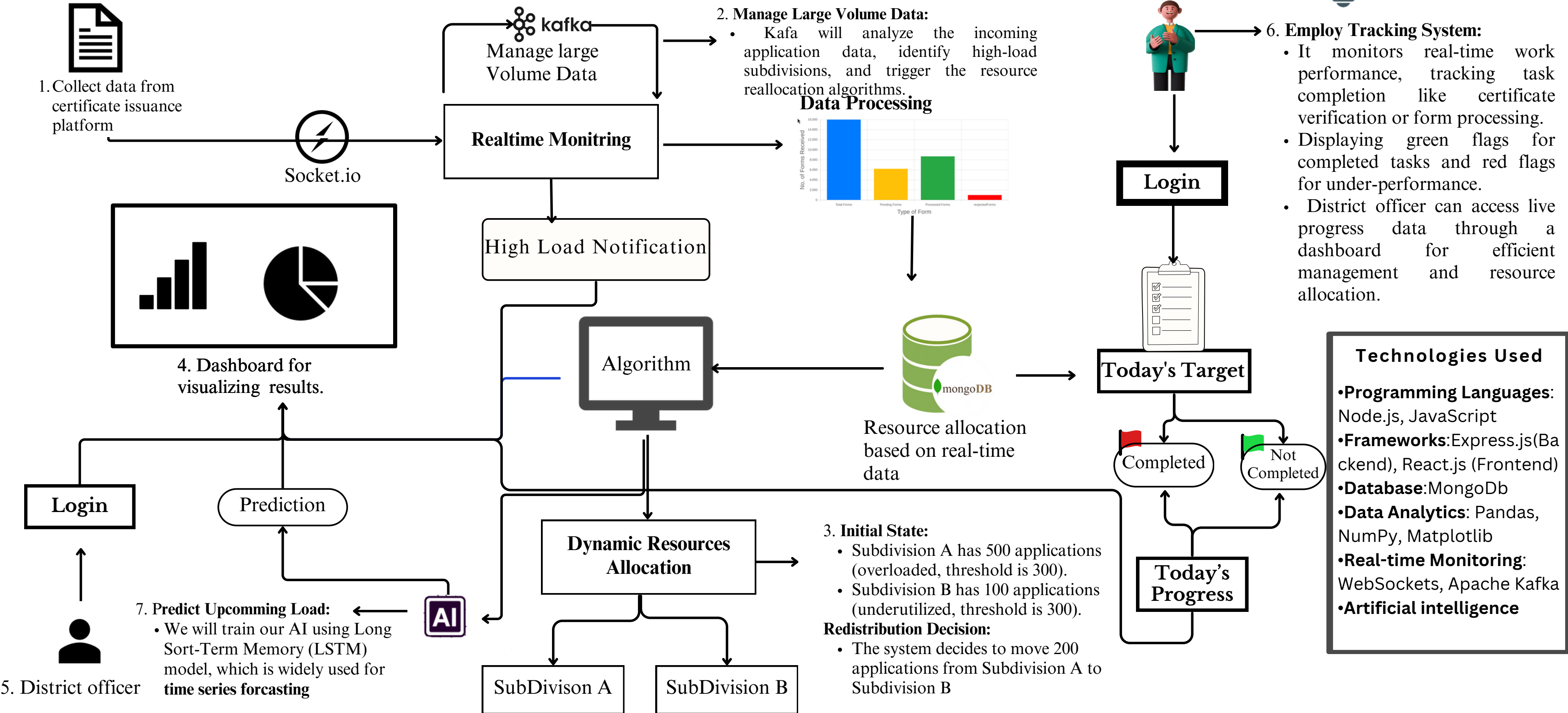
- **Problem Statement ID –1622**
- **Problem Statement Title- Online issuance of caste and other certificates by revenue department need real time monitoring.**
- **Theme- Smart automation**
- **PS Category- Software**
- **Team ID-**
- **Team Name (Registered on portal)- Team ASCENT**



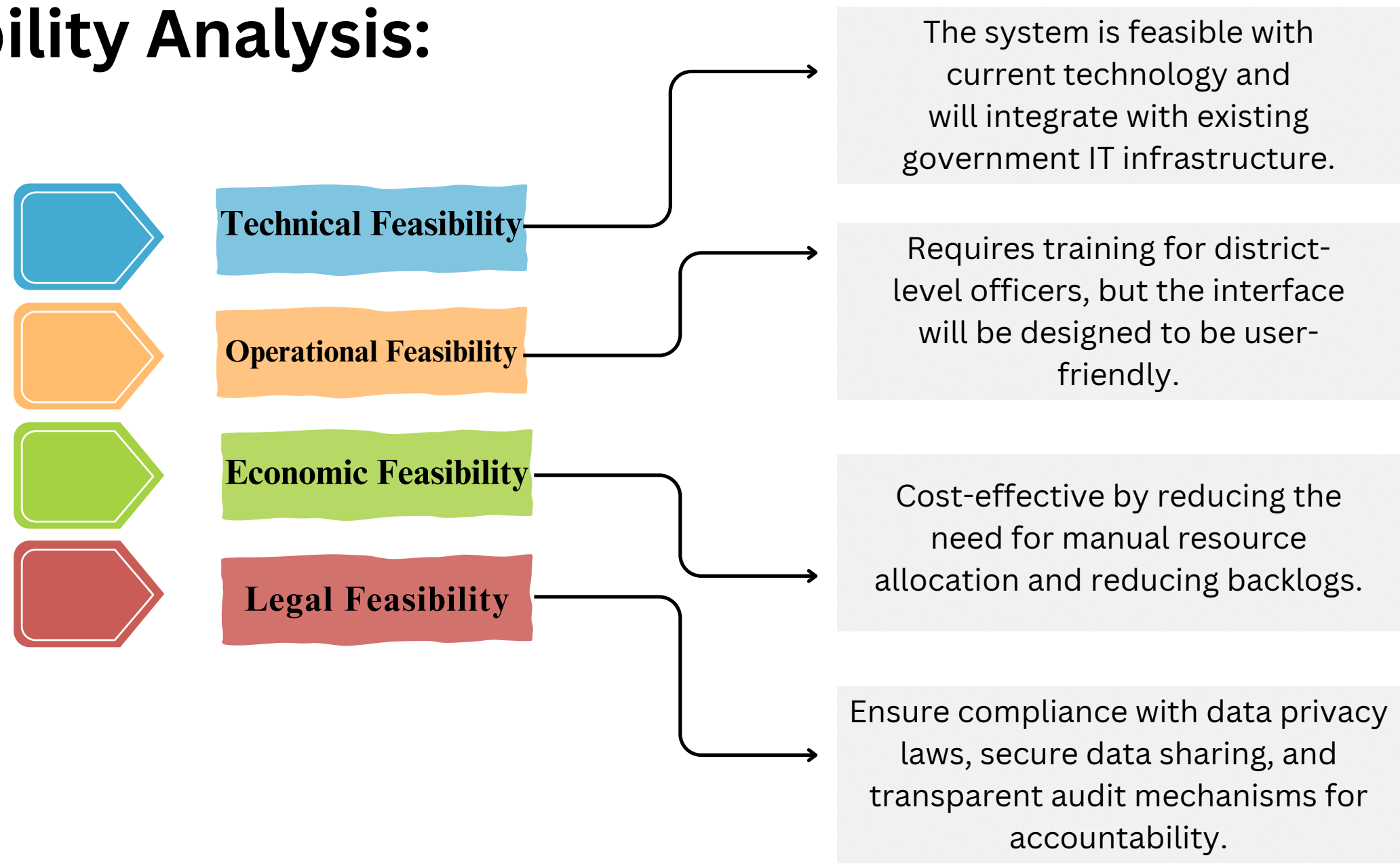
Proposed Solution

- We will Develop a real-time monitoring system for the issuance of Caste and other certificates by the Revenue Department.
- The system will use data analytics to evaluate resource allocation and demand for certificates across various subdivisions.
- Implement dynamic resource allocation based on real-time data to reduce backlogs in high-demand subdivisions
- Real-time data collection on application load across subdivisions.
- Automated alerts for areas experiencing high application loads.
- Dynamic redistribution of resources to subdivisions with the highest demand.
- Centralized dashboard for district and central-level authorities to monitor and manage resources efficiently.
- Integrate AI for predicting the upcoming number of forms and assisting district officers in proactive employee allocation.
- We will also show statistics for the resources allocated using the real time monitoring.






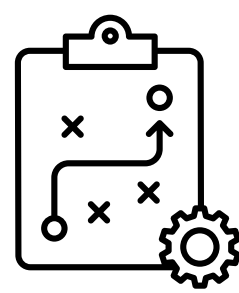


Feasibility Analysis:



Challenges and Risks:

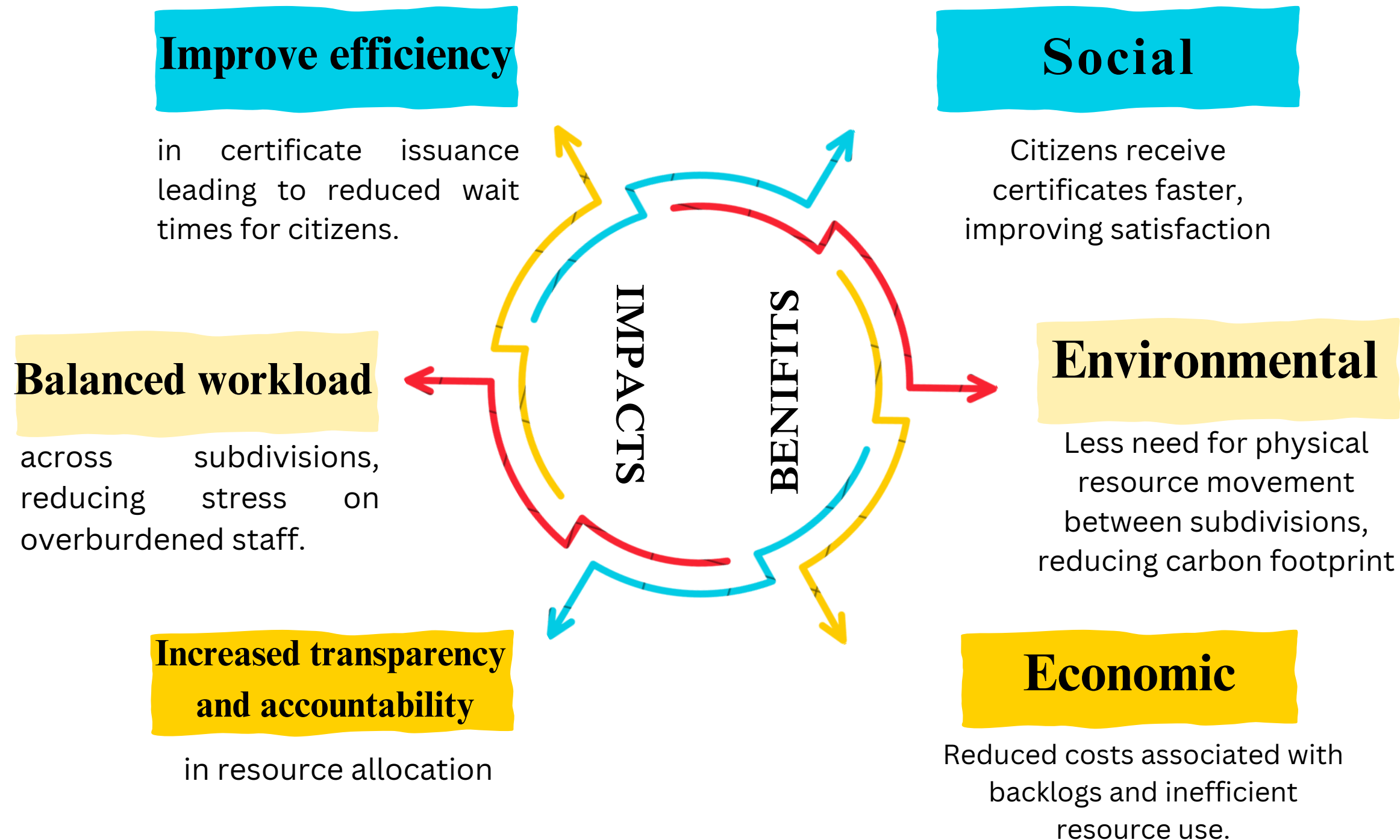
-  **Data Privacy:** Ensuring sensitive information is protected.
-  **System Integration:** Integrating with legacy systems
-  **Adoption:** Training staff and ensuring adoption at all levels.



Strategies for Overcoming Challenges:

- ◆ Implement robust encryption and data security measures
- ◆ Use API-based integration for legacy systems
- ◆ Conduct training workshops and provide user support.

IMPACT AND BENEFITS



REVENUE MODEL

- **Government Subscription:** Charge annual or monthly fees for using the system.
- **Performance-Based Model:** Charge based on the cost savings or efficiency improvements.
- **Licensing Fees:** One-time licensing with yearly maintenance.
- **Public-Private Partnership:** Revenue sharing or government-backed funding.
- **Premium Analytics:** Offer advanced data insights as a paid add-on.
- **Integration Fees:** Charge for custom integration with legacy systems.

Innovation and Uniqueness:

- Integration of predictive analytics to forecast demand trends.
- Real-time adjustment of resources rather than periodic manual adjustments.
- User-friendly interface for real-time monitoring and decision-making.

Tap below for video
explanation and prototype

[Explanation](#)
[Prototype link](#)
[Git repository](#)



Research Sources:

- Government reports on certificate issuance.
- Case studies on real-time monitoring systems in government applications.
- Technical documentation on the technologies proposed.

References:

- Link to relevant government policy documents.
- Articles and papers on predictive analytics in resource allocation.