**Problem Statement ID** - SIH25059

Problem Statement Title - Enhancing Student Awareness on difference between Aadhaar linked and Direct Beneficiary Transfer (DBT) enabled Aadhaar seeded bank account.
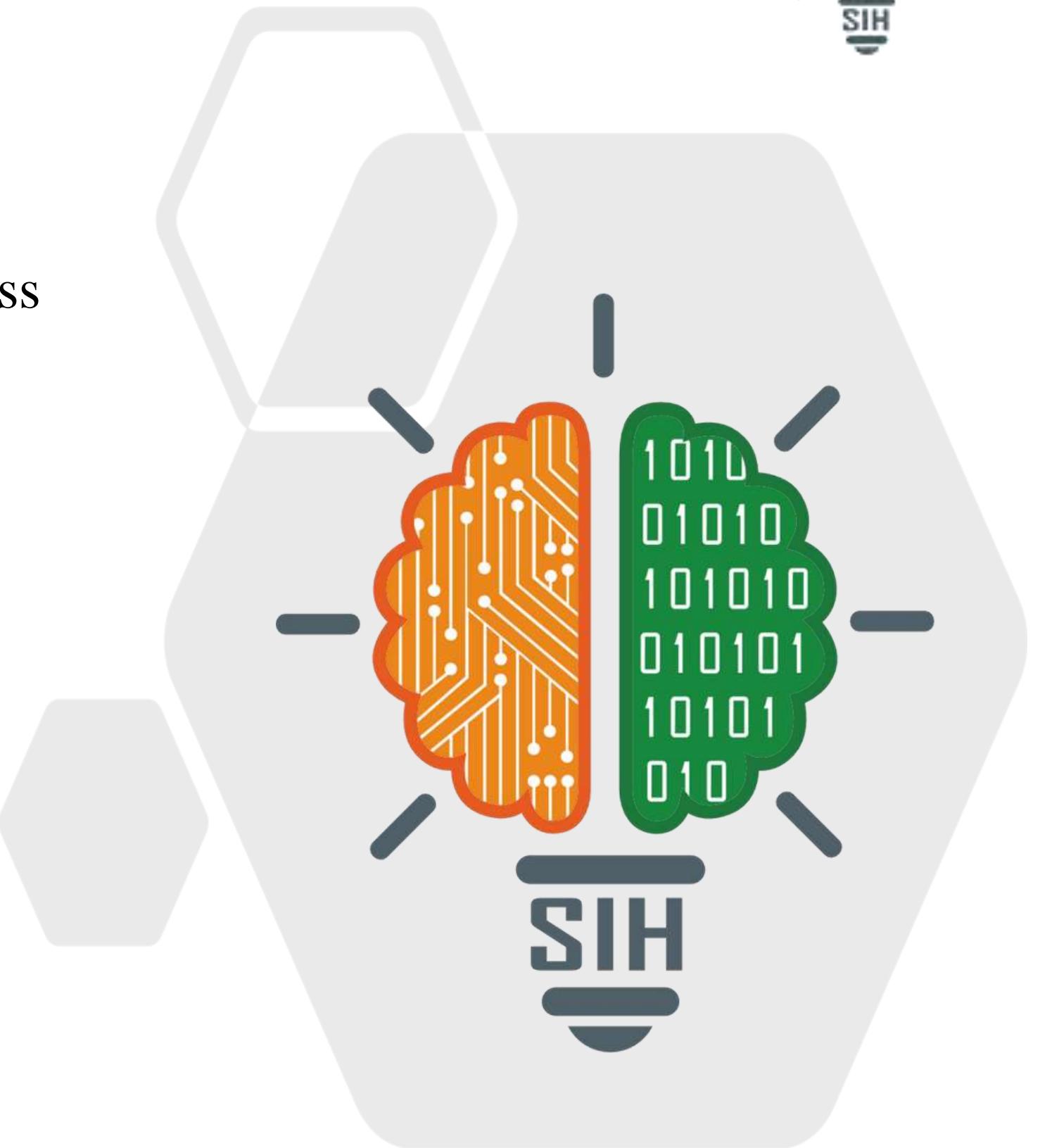
Theme - Miscellaneous

PS Category - Software

Team ID - SIHKEC004

**Team Name** - Solution seekers

DBT AWARENESS

IDEA/SOLUTION
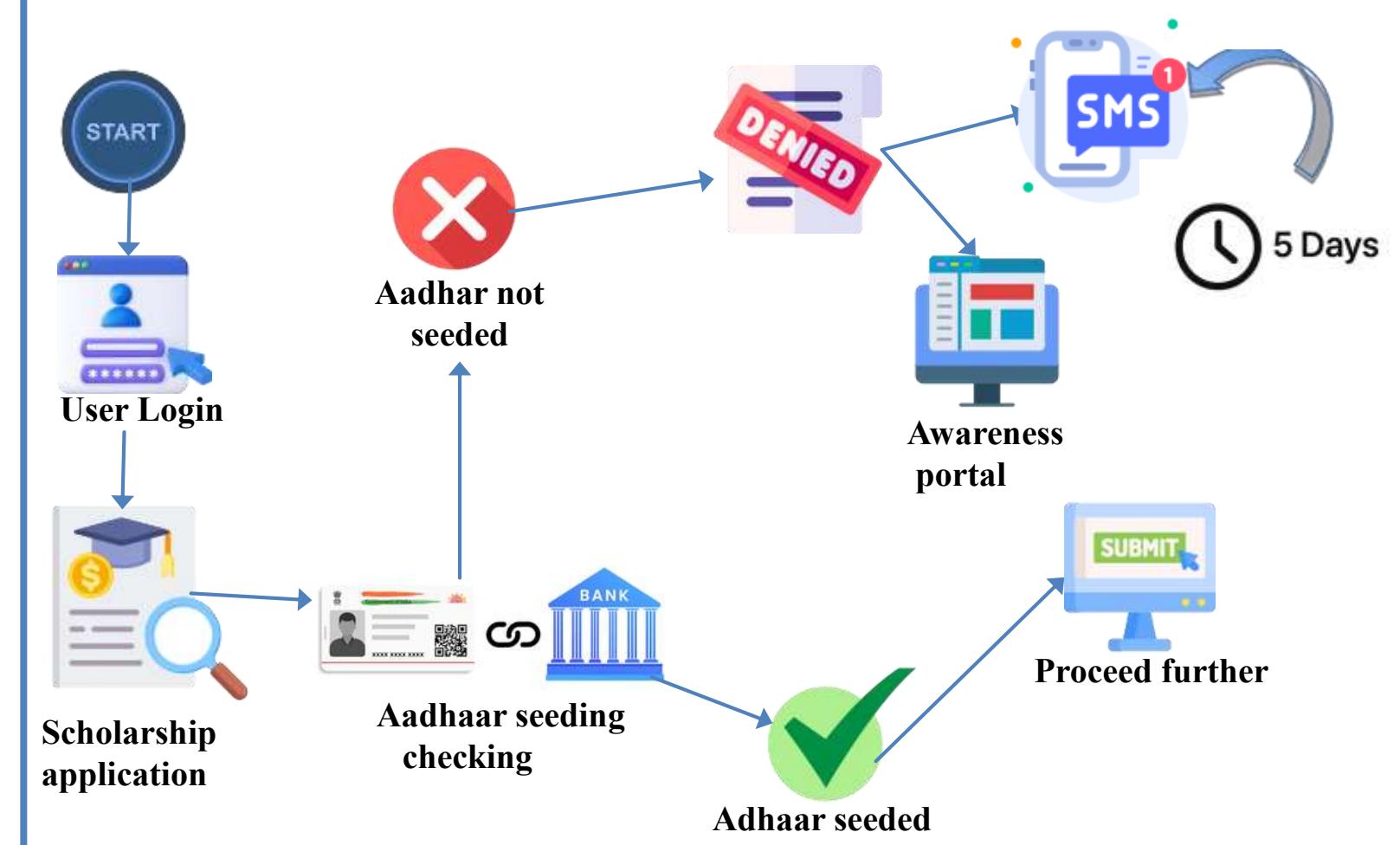
This solution ensures timely and accurate scholarship disbursement by mandating **DBT-enabled Aadhaar account verification** within the scholarship portal.

- Scholarship Portal verifies **DBT-enabled Aadhaar** account before application. If not, gives **step-by-step guidance** to enable DBT.

- **Automated SMS alerts** are sent every 5 days until application closure to remind students about Aadhaar seeding.

- An annual **awareness module** (short video/infographic) is embedded in the portal, with content available in **Tamil, English, and Hindi** for better understanding.

- **Awareness materials** (QR codes, posters) link straight to the portal, and schools, PTAs, and Gram Panchayats can access it to check updates and guide students during meetings.

- **Admin Dashboard** gives real-time student insights and makes admin updates instantly visible across the portal and community centres..

ARCHITECTURE

User Login

Scholarship application

Aadhaar seeding checking

Aadhar not seeded

Adhaar seeded

Awareness portal

Proceed further

5 Days

UNIQUE VALUE PROPOSITION

- Chatbot integration
- Mandatory DBT verification
- Automated SMS & notification reminders

- Awareness videos & infographics
- Admin dashboard
- Multi language

Explaination : https://drive.google.com/drive/folders/1jBYAOznLsOoVI4YmTVpy1m-IBSBUQeAZ?usp=sharing
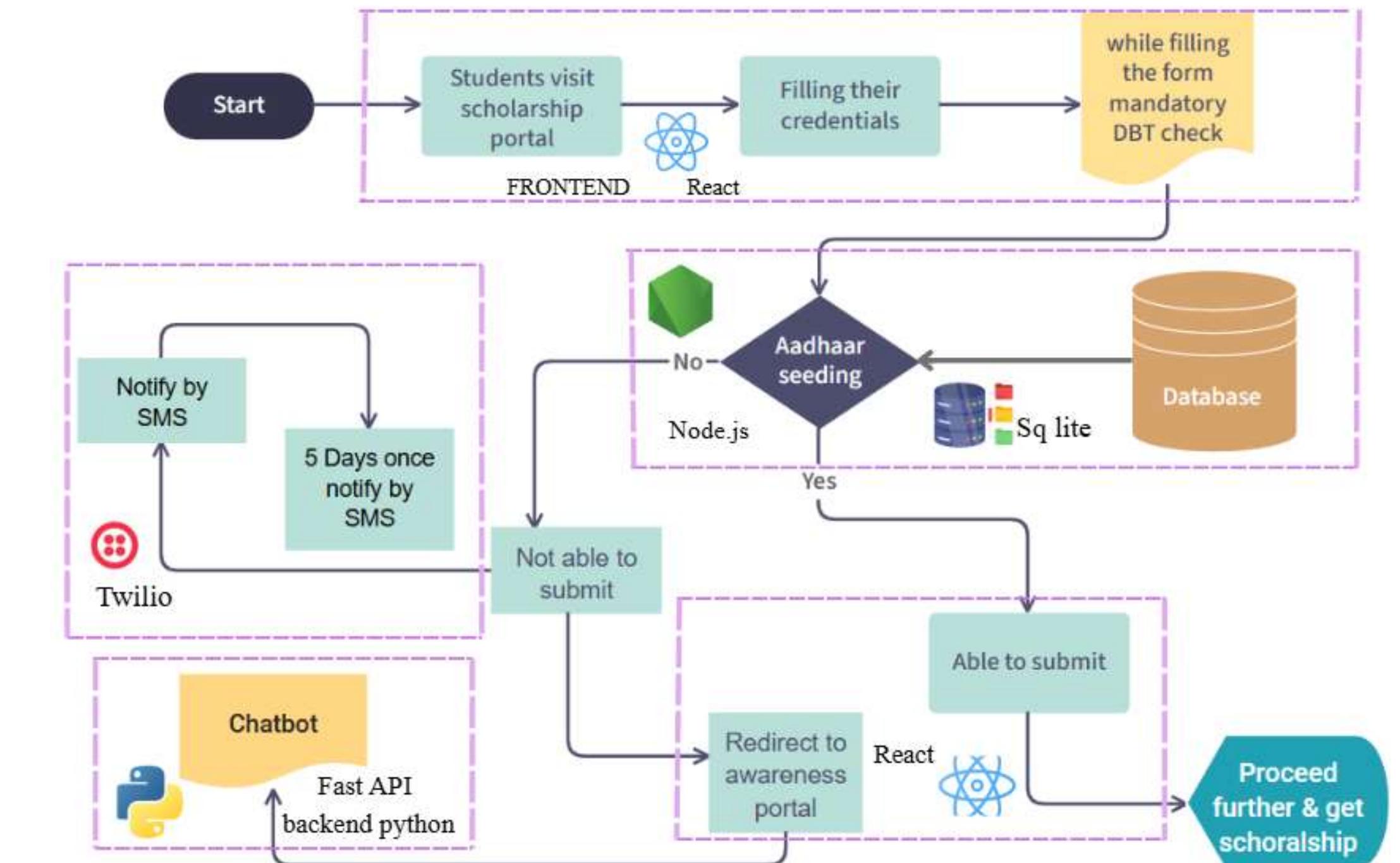
FEASIBILITY AND VIABILITY

SOLUTION SEEKERS

FEASIBILITY

Technical:
- Web & mobile-friendly platform, checks Aadhaar seeding status, redirects to awareness dashboard, sends SMS reminders every 5 days.

Operational:
- Simple for students to use, provides guidance, automated reminders reduce manual follow-ups.

Economic:
- Low development cost, minimal maintenance, reduces delays and admin workload.

VIABILITY

Social:
- Raises awareness on Aadhaar-bank linking and ensures timely scholarship access.

Strategic:
- Supports government goals of financial inclusion and digital empowerment.

Scalability:
- Can be expanded to multiple portals, colleges, and nationwide programs.
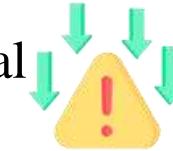
IMPACTS AND BENEFITS

IMPACTS

- **Enhanced Student Awareness:** Students can quickly verify if their Aadhaar-linked account is DBT-enabled before applying for scholarships.

- **Timely Scholarship Disbursement:** Students can check DBT status of their Aadhaar-linked account before applying

- **Community Engagement:** Schools, PTAs, and Panchayats help raise awareness and guide students online and offline.

- **Government Monitoring:** The admin dashboard shows real-time DBT status, enabling targeted action and data-driven decisions.

- **Digital Inclusion:** Students and parents gain practical experience with digital services, building confidence for independent use.

BENEFITS

- **Increased Student Participation:** More students successfully complete DBT verification and submit scholarship applications without delays.

- **Reduced Errors & Operational Efficiency:** Automation cuts manual errors and workload, boosting efficiency for schools and government offices.

- **Data-Driven Decision Making:** Government authorities can track progress, send reminders, and plan campaigns in real-time.

- **Resource Optimization:** Reduced manual verification lets staff focus on strategic initiatives and community engagement.

- **Scalable & Replicable Model:** The framework can be adapted and deployed across other DBT-linked government schemes, enabling broader reach and impact.

- UIDAI Aadhaar Overview (Foundational reference)
  Title: Aadhaar: The Unique Identification Authority of India – Official Document
  Link: https://uidai.gov.in/

- **DBT Framework** (Government Policy Reference)
  Title: Direct Benefit Transfer – Government of India Framework
  Link: https://dbtbharat.gov.in/

- Financial Inclusion with Aadhaar
  Title: Aadhaar Enabled Direct Benefit Transfer for Financial Inclusion in India
  Link: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3630278
- **NSP Portal (Scholarship Reference)**
Title: *National Scholarship Portal – Government of India*
Link: https://scholarships.gov.in/

Singh, S., Kumar, V., & Gupta, A. (2022). A citizen-centric approach to understand the effectiveness of e-government web portals: Empirical evidence from India. Information Polity, 27(2), 117–132. LINK

Molodtsov, S., & Nikiforova, N. (2024). Usability framework for evaluating Open Government Data Portals. arXiv. LINK

Documentation References
- React.js: React Docs

- Node.js: Node.js Docs

- SQLite: SQLite Docs

- Python FastAPI: FastAPI Docs

- Twilio SMS API: Twilio Docs

PROJECT LINK

https://github.com/Tharun-Kumar-228/DBT-Awarness_25