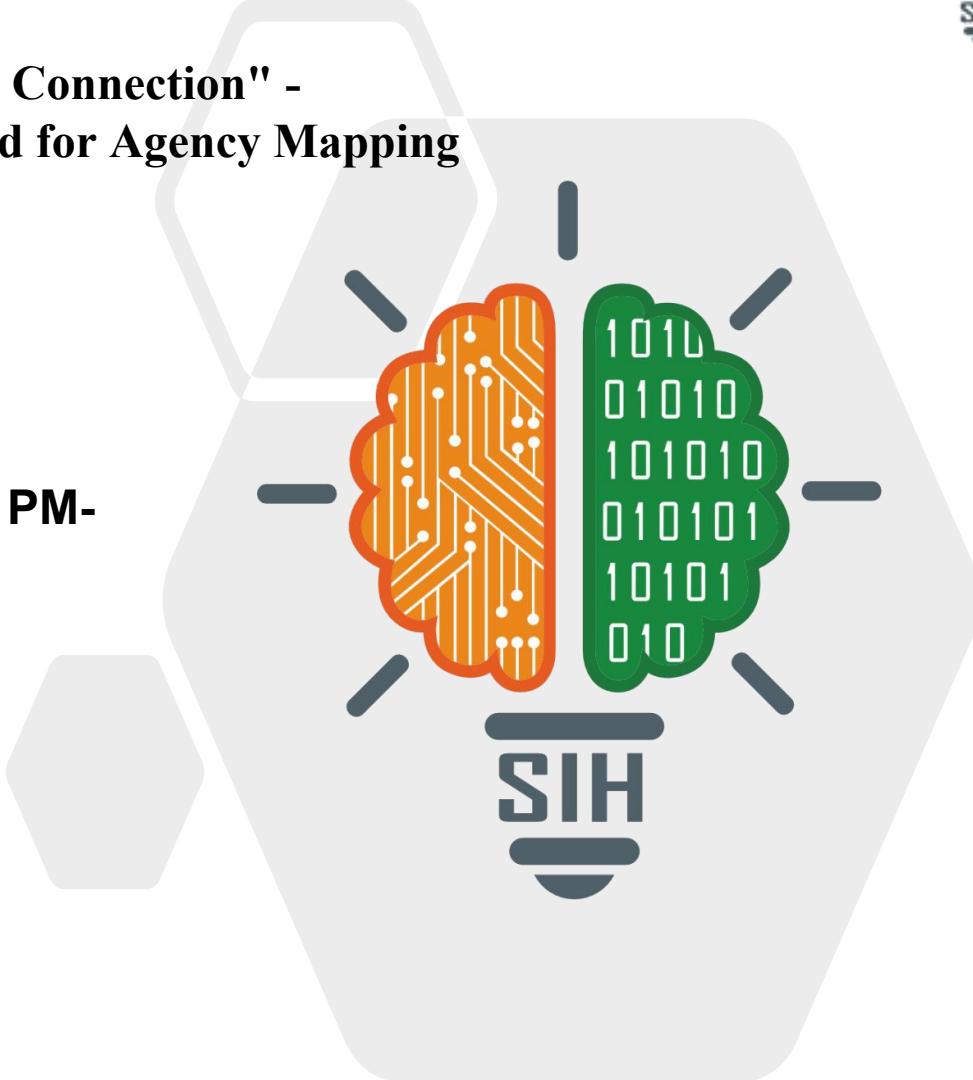


# SMART INDIA HACKATHON 2025



"PM-AJAY Connection" -  
One Nation, One Dashboard for Agency Mapping

- **Problem Statement ID –25153**
- **Problem Statement Title-Mapping of Implementing and Executing Agencies across PM-AJAY Components**
- **Theme- Smart Automation**
- **PS Category- Software**
- **Team ID –65856**
- **Team Name - DarshanGo**





# "PM-AJAY Connection" - One Nation, One Dashboard for Agency Mapping



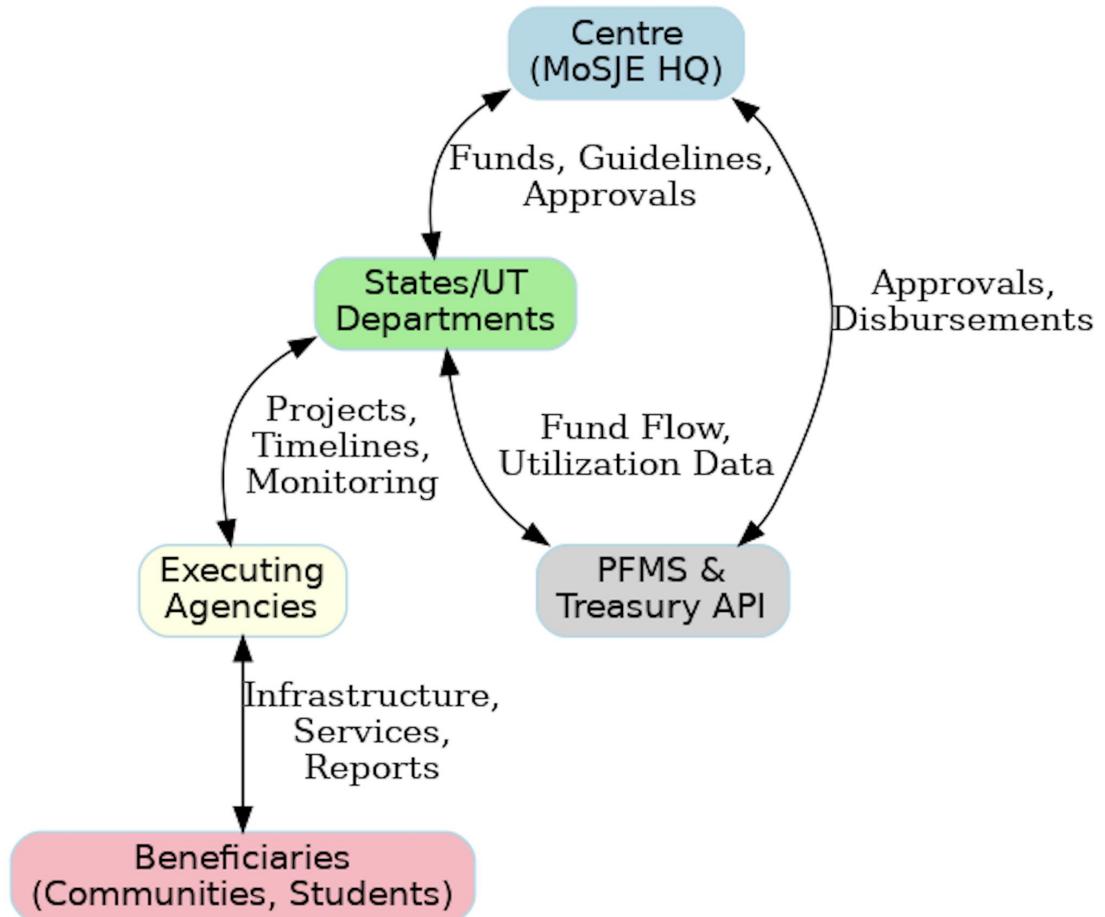
## PROPOSED SOLUTION:

- Central Agency Repository:** All implementing & executing agencies are housed in a searchable central database.
- Dynamic Mapping Dashboard:** Interactive state/UT-wise map to track projects, agencies, funds, and timelines.
- Upwork/task-based workflows:** Using digital tools, roles are established to define tasks, deadlines, and where to escalate.
- Smart Communications Hub:** Built-in messaging & notifications from Centre - State - Agencies.
- Time-sensitive Fund-Flow Checkpoint:** Visual checkpoint for approvals, releases, and utilizations certificates.
- Analytics / Reporting :** AI tracked performance including progress alerts for bottlenecks and compliance scores.

## UNIQUENESS:

- First integrated system covering all 3 components of PM-AJAY.
- Accountability graph at every level from state through village.
- Purpose built for transparency, inclusivity, and rapid decision making.

## PROCESS FLOW



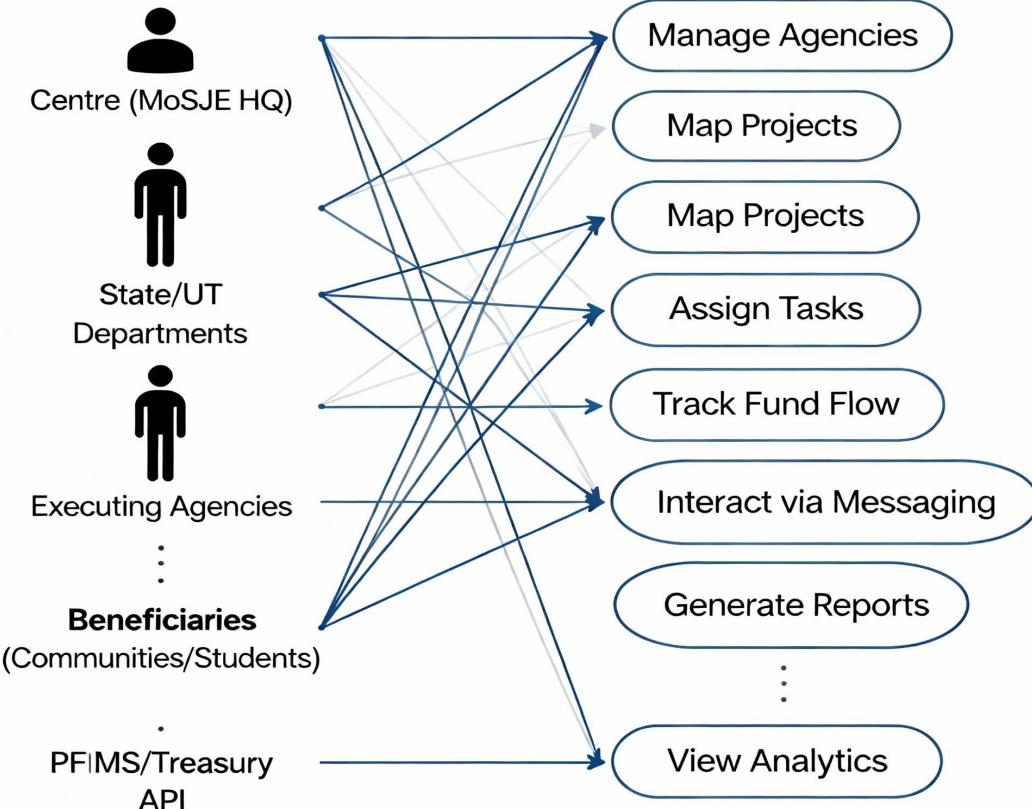


DarshanGo

# TECHNICAL APPROACH



## USE CASE DIAGRAM



Component	Description
Architecture	Cloud-hosted web portal + secure mobile app for field officers
Frontend	React / Angular UI with multilingual support
Backend	Node.js + Express / Django REST APIs with RBAC & audit logs
Database	PostgreSQL (agencies, roles, funds, timelines)
GIS Mapping	Leaflet/Mapbox for live project-agency geo-visualization
Fund-Flow Integration	API links to PFMS / state treasury systems
AI & Analytics	Python-based anomaly detection & predictive delay alerts

Prototype: <https://photos.app.goo.gl/VeHKPdwMTRgXUKkL6>



# FEASIBILITY AND VIABILITY



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Feasibility	Viability
<ul style="list-style-type: none"><li><b>Digital Stacks</b> Utilizes government digital tools such as DigiLocker, PFMS, and API-based tools, all of which facilitate seamless sharing of data with the Centre, States, and agencies.</li><li><b>GIS and Cloud Technology</b> Based on established GIS dashboards and cloud-based technology that can scale with no new hardware requirements required.</li><li><b>Offline Sync</b> Built for areas with low connectivity, the system automatically syncs when the network is restored.</li></ul>	<ul style="list-style-type: none"><li><b>Economic</b> Guarantees low infrastructure expenditure by utilizing a cloud-pay-as-you-go model and is easily scalable for other central schemes.</li><li><b>Social</b> Enables State and UT administrations to enhance development in villages and have an improved service delivery to communities.</li><li><b>Administrative</b> Digitizes approvals and fund transfers to reduce paperwork, as well as provide a single, transparent source of truth.</li><li><b>Sustainability</b> Utilizes a government-owned open-API platform to easily enable further expansion and onboarding of future welfare schemes.</li></ul>



# IMPACT AND BENEFITS



## IMPACT

### For MoSJE & States:

- Increased project visibility and fund tracking in real time.
- A reduced approval time, and quicker decision-making.
- Accountability with a digital audit trail in place.

### For Implementing Agencies:

- More defined task allocation & reminders for timelines.
- Less duplication of effort & paperwork.
- Easy communication with all role-players.

### For Communities / Beneficiaries:

- Faster project completion, with schools, hostels and upgraded villages sooner.
- A transparent way of showing how funds are spent enhances trust in the governance.

## BENEFITS

### Operational Benefits

#### Single destination mapping:

Creates a hub for all the implementing and executing agencies, removing confusion and potential duplication.

**Swifter communication:** Centre, States and agencies can communicate and share updates instantly, rather than digging through a mountain of emails and calls.

**Faster execution:** Projects will move faster because everyone knows what to approve and who is accountable from day one.

#### Intelligent funding visibility:

Financing will be visible in real-time, providing everyone with a view of the spending so that funding releases can be expedited.

### Benefits of Governance & Transparency

**Clear Accountability:** There is clarity of accountability so that there are fewer delays and little chance of the blame game.

**Open and Transparent:** A shared visibility dashboard fosters trust and collaboration between the Centre, States, Agencies, and the public.

**Better Decision-making:** With everything in one place, leaders are able to react to urgent situations and are ready to implement more long-term plans using an efficient manner.

**Audit-ready tracking:** A central hub or system of record means that whenever tracking is needed, it becomes easy to show progress and compliance digitally.

### FUTURE SCOPE:

- AI chatbots for rapid assistance to both officers and citizens.
- Blockchain-based ledger of all transactions/procedures to demonstrate security and trust.
- Inter-scheme Integration: Interface with PMAY-G, scholarships, skill development.
- Open Data Application Programming Interface for researchers and policy think-tanks.
- Expansion to other socio-justice schemes as a plug-and-play module.



# RESEARCH AND REFERENCES



- Ministry of Social Justice & Empowerment: <https://socialjustice.gov.in>
- PFMS Portal: <https://pfms.nic.in>
- NIC: <https://www.nic.in>
- Open Government Data Platform: <https://data.gov.in>
- Digital India: <https://www.digitalindia.gov.in>
- PM GatiShakti: <https://pmgatishakti.gov.in/pmgatishakti/login>