

Routes for SIH project

Auth Routes (`/api/auth`)

Authentication

- `POST /signup` → Register new user (citizen/staff/admin).
 - `POST /signin` → Login with email + password.
 - `POST /login` → (Alias) Authenticate user, return JWT.
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Email Verification

- `POST /send-email-code` → Send OTP to user's email for verification.
 - `POST /verify-email` → Verify email using OTP.
 - `POST /resend-email-code` → Resend OTP if expired/not received.
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Aadhaar Verification

- `POST /send-aadhaar-code` → Send OTP to registered Aadhaar-linked mobile/email.
 - `POST /verify-aadhaar` → Verify Aadhaar with OTP + Aadhaar number.
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Password Reset

- `POST /send-forgot-password-code` → Send OTP to user's email for password reset.
 - `POST /verify-reset-code` → Verify OTP for password reset.
 - `POST /reset-password` → Set a new password after OTP verification.
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User Profile

- `GET /me` → Get logged-in user profile (JWT required).
 - `PUT /me` → Update user profile (name, contact info, etc).
 - `GET /roles` → Fetch available roles (citizen, staff, admin).
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Final Issue Routes (`/api/issues`)

Citizen

- `POST /` → Create new issue (citizen reports).
 - `GET /` → Get issues (*returns only their own*).
 - `GET /:id` → Get details of an issue they reported.
 - `POST /:id/upload` → Upload more photos/videos for their issue.
 - `POST /:id/feedback` → Submit feedback after resolution.
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Staff (Municipal Department Users)

- `GET /` → Get all **assigned issues**.
 - `GET /:id` → Get full issue details (assigned only).
 - `PUT /:id/status` → Update issue status (`submitted` → `in-progress` → `resolved`).
 - `POST /:id/upload` → Add progress photos (e.g., “fixed pothole”).
 - `GET /:id/history` → View issue timeline.
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Admin (Municipal Supervisors / Super Admin)

- `GET /` → Get **all issues citywide**.
- `GET /:id` → Get any issue details.
- `PUT /:id` → Update issue details (category, priority, etc).
- `DELETE /:id` → Delete issue (only admins).
- `PUT /:id/assign` → Assign issue to staff/department.
- `PUT /:id/status` → Override status (force-close, reopen, etc).
- `GET /:id/history` → Full audit trail.
- `GET /:id/feedback` → View citizen feedback across all issues.

Feedback Routes (`/api/feedback`)

Citizen

- `POST /` → Submit feedback for a **resolved issue** (citizen only).

- `GET /user/:userId` → View their own feedback (security check: only self).

Staff

- `GET /issue/:issueId` → View feedback on an issue **assigned to them**.

Admin

- `GET /` → Fetch **all feedback** for analytics.
- `GET /issue/:issueId` → View all feedback for that issue.
- `GET /user/:userId` → View feedback submitted by any citizen.



⚠ **Note:** Since we already nested feedback inside `/api/issues/:id/feedback`, you can either:

- Keep `/api/feedback` for **analytics/admin dashboards** only, OR
- Fully merge into `/api/issues`.

Routing (Automation) Routes (`/api/routing`)

Citizen

(No direct access — happens automatically on backend after issue submission).

Staff

- `GET /departments` → View departments + assigned issues.

Admin

- `POST /classify` → Trigger ML classification manually (debug/override).
- `POST /assign/:issueId` → Force-assign issue to staff/department.
- `GET /departments` → View all departments.
- `PUT /departments/:id` → Update department info.

- `POST /notify:issueId` → Send email/notification to assigned department.
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Admin Routes (/api/admin)

Admin Only

- `GET /users` → List all users (citizens, staff, admins).
 - `GET /users/:id` → Get details of a specific user.
 - `PUT /users/:id/role` → Update user role (promote/demote).
 - `DELETE /users/:id` → Delete a user.
 - `GET /analytics` → System-wide analytics (issues per category, response times, etc).
 - `GET /heatmap` → Data for **city heatmap visualization** (issue density by location).
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Notification Routes (/api/notifications)

Citizen

- `GET /user:userId` → Get their own notifications.
- `PUT /:id/read` → Mark notification as read.

Staff

- `GET /user:userId` → Get their own (staff) notifications.
- `PUT /:id/read` → Mark as read.

Admin

- `POST /send` → Send **custom notification** (email/SMS/push) to any user(s).
 - `GET /user:userId` → View notifications for any user.
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ML Service Routes (/ml)

(Backend service, usually hidden from frontend users)

Citizen

(No direct access — only backend calls this when an issue is reported.)

Staff

- `GET /health` → Check ML service is online (dev/staff debugging).

Admin

- `POST /predict` → Upload image → returns classification (used in routing).
- `POST /retrain` → Retrain ML model with new data (future feature).
- `GET /health` → Health check.