



COMPLETE FUNCTIONALITY LIST

(Derived strictly from the conversation)



MODULE 1: USER ROLES & ACCESS CONTROL

Supported Roles

1. Principal / Head
2. Center Superintendent
3. Board / NBSE Officer
4. Teacher
5. Dealing Assistant (Clerk)
6. Admin (System level)

Role Capabilities

- Role-based UI (same UI नहीं)
 - Role-based permissions
 - Scope-based access (school / district / state)
 - Read / Write / Approve / Reject separation
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MODULE 2: USER REGISTRATION & ONBOARDING

Teacher Registration

- Self-registration
- Profile photo upload

- Email + password
- Phone number
- Qualification
- Experience (years)
- Class + Subject mapping
- District selection
- School selection:
 - By **School Registration Number**
 - OR by **School Name**

Registration Rules

- New user → **Under Verification**
 - No access until approved
 - Dummy data allowed for testing (admin setting)
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MODULE 3: USER VERIFICATION & APPROVAL FLOW

Approval Flow

1. Teacher registers
2. Status = Under Verification
3. Principal views profile
4. Principal:
 - Approves
 - Rejects (with reason)

Approval Rules

- After approval:
 - User becomes ACTIVE
 - If user edits critical data:
 - Auto-deactivate
 - Re-approval required
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MODULE 4: PROFILE MANAGEMENT

Teacher Profile Includes

- Name
- School
- District
- Qualification
- Experience
- Classes taught
- Subjects taught (multiple per class allowed)
- Phone number

Profile Constraints

- Same class → multiple subjects allowed
 - After approval → silent edit NOT allowed
 - Any change → approval required
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MODULE 5: USER ACTIVATION / DEACTIVATION

Controls

- Activate / Deactivate user
- Bulk activation
- Bulk deactivation

Use cases

- Fake profile
 - Incorrect data
 - Transfer
 - Misconduct
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MODULE 6: ADVANCED SEARCH & FILTERING

Filters

- State
- District
- School
- Class
- Subject
- Role

Examples

- “पूरे नागालैंड के Class 10 Science teachers”
- “Class 12 Commerce teachers in District X”

Actions on Filtered Results

- Bulk select
 - Bulk email
 - Bulk notification
 - Bulk event invite
 - Bulk export
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MODULE 7: DATA EXPORT

Export Formats

- Excel
- PDF

Export Scope

- Teacher lists
 - School lists
 - Form-6 data
 - Event attendees
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MODULE 8: IMPORTANT NOTICE / COMMUNICATION

Features

- Send notice to:
 - Individual user

- Selected users
 - Entire school
 - Entire district
- File attachments
- Message history
- View inside app

Notifications

- Push notification (mandatory)
 - In-app notification
 - Notification on reject / approve
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MODULE 9: EVENT MANAGEMENT SYSTEM

Event Creation

- Event title
- Description
- Date & time
- Location
- Upload flyer
- Invite users (filtered)

Event Participation

- Accept
- Reject (reason mandatory)

Organizer View

- Accepted count
- Rejected count
- Pending count

Use cases

- Training
- Exam meeting
- NGO program
- Government workshop

MODULE 10: EXAM & QUESTION PAPER TRACKING (HIGH SECURITY)

Step-by-step Tracking

1. Reach location → photo + GPS + timestamp
2. Receive question paper → photo
3. Before opening seal → photo
4. After sealing answer sheets → photo
5. Submission at post office → photo + GPS

Data Captured

- User ID
- Time
- GPS location

- Photo (zoomable)
 - Google Maps redirect
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MODULE 11: BEHAVIOR ANALYTICS & FRAUD DETECTION

Tracked Metrics

- Travel time patterns
- Action timing
- Repeated deviations

Red Flags

- Abnormal delay
- Pattern break
- Suspicious behavior

Status

- Normal
 - Watchlist
 - Red Flag
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MODULE 12: FORM-6 SYSTEM (GOVERNMENT COMPLIANCE)

6A – Teaching staff (Class 1–10)

- Auto-filled from teacher profiles
- Principal verification
- Exportable

6D – Teaching staff (Class 11–12)

- Filtered by subject & class

6B – Non-teaching staff

- Manual entry
- Multiple staff entries
- Qualification & role

6C – Student strength

- Boys / Girls
- Sections per class
- Total students

MODULE 13: STUDENT–TEACHER RATIO ANALYSIS

Calculations

- Teachers per class
- Students per section
- Overcrowding detection

Alerts

- Unbalanced ratios

- Fake data suspicion
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MODULE 14: SCHOOL & DISTRICT MANAGEMENT

School Data

- School name
- Registration number
- District
- Staff count
- Student count

District View

- Paginated school lists
 - Filter by district
 - Bulk download
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MODULE 15: PAGINATION & PERFORMANCE

Performance Controls

- Pagination (large datasets)
 - Page size control
 - Optimized queries
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MODULE 16: REJECTION & FEEDBACK LOOP

On Rejection

- Reason mandatory
 - Notification to user
 - Form re-opened for correction
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MODULE 17: SYSTEM SAFETY & DATA INTEGRITY

Rules

- No hard delete
 - Soft delete only
 - Historical data preserved
 - Sensitive data access logged
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MODULE 18: ADMIN & SYSTEM OVERSIGHT

Admin Capabilities

- View system-wide stats
 - Monitor pending approvals
 - Detect anomalies
 - Override (logged)
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SUMMARY (ONE LINE)

यह system **School App** नहीं,
यह **State-level Governance + Audit + Anti-Fraud Platform** है।

