



**Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur**
Department of Information Technology
Session 2023-24

Students Kit

Project Title: Crime Record Management System

Requirements Specification (RS)

No.	Requirement	Essential / Desirable	Description of the Requirement	Remarks
RS1	User Authentication	Essential	Implement secure login functionality for Admin, Police, and Court users	-
RS2	Criminal Record Management	Essential	Add, update, delete, and search criminals with images, age, and offense type	-
RS3	FIR & Complaint Management	Essential	Register FIRs or complaints with location, police station, and suspect	-
RS4	Case Management	Essential	Maintain court cases, hearing status, and judgment details	-
RS5	Report Generation	Desirable	Export data as CSV from any module	Consider for extra functionality.
RS6	User Management (Admin)	Desirable	Admin can add/remove users and assign roles	Optional for bonus points



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Database Fields Specification

Table: users

Field Name	Type	Remarks
user_id	INT, Primary Key	Unique user ID
username	VARCHAR	Login username
password	VARCHAR (Hashed)	Secure login

Table: criminals

Field Name	Type	Remarks
criminal_id	INT, PK	Unique ID
name	VARCHAR	Full name
gender	ENUM	Gender
age	INT	Age
crime_type	VARCHAR	Offense
image_path	VARCHAR	Path to image
Field Name	Type	Remarks
criminal_id	INT, PK	Unique ID
name	VARCHAR	Full name

Table: FIR

Field Name	Type	Remarks
fir_id	INT, PK	FIR number
crime_location	VARCHAR	Location



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police_station_id	FK	Refers to station
criminal_id	FK	Refers to criminal

Table: cases

Field Name	Type	Remarks
case_id	INT, PK	Unique case ID
fir_id	FK	Related FIR
status	ENUM	Pending, Closed
hearing_date	DATE	Next hearing
judgment	TEXT	Final notes

High Level/Detailed Design (HLD/DD)

Design Components

Admin Panel:

- Add/manage users
- View reports
- Control station data

Police Panel:

- File FIRs
- Register/view criminals
- Track open cases

Court Panel:

- Update case hearings
- Mark cases as closed
- View criminal/judicial history

Common Screens:

- Login
- Dashboard (role-based)
- Navigation bar
- Logout



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Test-Plan (TP)

No.	Test case Title	Description	Expected Outcome	The requirement in RS that is being tested	Result
1	Login Test	Valid login for all roles	Redirect to dashboard	RS1	Passed
2	Criminal Entry	Add a new criminal record	Entry appears in list	RS2	Passed
3	FIR Submission	Register FIR with suspect	FIR stored in DB	RS3	Passed
4	Case Creation	Add court case linked to FIR	Case appears in list	RS4	Passed
5	Role Restrictions	Court user cannot delete records	Access Denied/Error	RS1	Passed
6	Report Export	Export criminal data	CSV file downloads	RS6	Passed
7	Admin Controls	Add/remove user accounts	User appears/disappears	RS7	Passed
8	Station Management	Add new station	Listed in police station dropdown	RS5	Passed