

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD

B.Tech. 4th Semester

Database Management System Projects

Title of the project:

Law & Order Automation

Abstract of the project:

"Serving those who protect" To deliver next generation police and law enforcement reporting tools, and setting up intelligence platforms that agencies use to take incoming incident reports, lessen employee resources and allow these enforcement agencies to reallocate resources to much needed community areas.

Users of the System:

- Citizen
- Police officers (Constable to DGP)
- Detectives
- Administrator

Specific Technology can be used:

Oracle, Java, Swing, JDBC for Oracle Connectivity. Any technology can be used for the front-end development.

Project Tasks:

Draw ER Diagram, Schema of each table required in Project, Normalize all table up to 3NF, Implementation Task, User Interface.

Functional components of the project

- Administrator should be able to create/edit a virtual police station (PS) which represents a real police station as a first time setup.
- Appointing of police officers to a particular police station which is present in a specific zone or to a specific district as a first time setup, he should be transferable at later time.
- PS should have areas of control which can be modified at later time.
- Police station has several departments like Law and Order, Women Protection, Cybercrime, Traffic and control, CBI, etc. Separate module for each dept would be needed.
- When a complaint is made it undergoes various processes like FIR, Charge Sheet, Property Seizure, court disposal etc. all these activities are performed by a PS.
- Traffic and Control has important part where the Traffic inspector would be filing a charge sheet from a mobile or PDA.

- Maintaining the criminal information state wise/area wise/age wise is mandatory
- Sharing of case details with PS in other states is needed.
- Note : Other state may use different database and different platform (use of IBM MQ is necessary)
- Communication between officers is mandatory through forum, chat, polls.
- The magistrate should be able to access the case details and provide/deny the arrest warrant.
- Citizens should be able to apply for various licenses like Arms, loud speaker, Hotel/lodge, browsing center, mass meetings etc., and the officer should be able to approve/reject which will be notified to the applicant via SMS and Mail
- Secured registration of citizens is needed where they need to provide proof of citizenship, which will be cross checked by the police officer of that area.

Submission:

The complete project submission should contain the following:

- Design ER diagram of your project.
- All the source code necessary to compile and execute your test code
- Can be extend Android or Web Application