CRIME RECORD MANAGEMENT SYSTEM

A
PROJECT PRESENTATION
SUBMITTED
IN PARTIAL FULLFILLMENT FOR THE AWARD OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

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OUTLINES OF PRESENTATION

- Introduction
- Problem Statement
- Literature Review
- Implementation Details
- Features and Functionality
- Testing and Evaluation
- Results and Analysis
- Future Work
- Conclusion

INTRODUCTION

- A centralized web-based system for crime record management.

- Objective: streamline police workflows and secure criminal data storage.

- Importance: improves law enforcement efficiency, accuracy, and accessibility.

PROBLEM STATEMENT

- Manual recordkeeping is prone to error, duplication, and inefficiency.

- Lack of centralized access to FIRs, criminal, and court data.

- Need for a secure and digital crime record system.

LITERATURE REVIEW

- Traditional systems used Excel/physical files.

- Existing digital systems lack flexibility or are expensive.

- PCRMS aims to be user-friendly, role-based, and fully customizable.

IMPLEMENTATION DETAILS

- Platform: Web-based application

- Frontend: HTML, CSS

- Backend: PHP

- Database: MySQL via phpMyAdmin

- Tools: VS Code, XAMPP

FEATURES & FUNCTIONALITY

- Admin: Manage users, stations, and reports.

- Police: Register FIRs, manage criminals and case info.

- Court: Update hearings, judgments.

- Role-based login with access controls.

TESTING AND EVALUATION

- Unit testing for modules: Login, FIR, Case, Court.
- Integration testing of full data flow.
- All critical test cases passed during demo phase.

RESULTS AND ANALYSIS

- Handled 50+ dummy crime and FIR records.

- Reduced report generation time significantly.

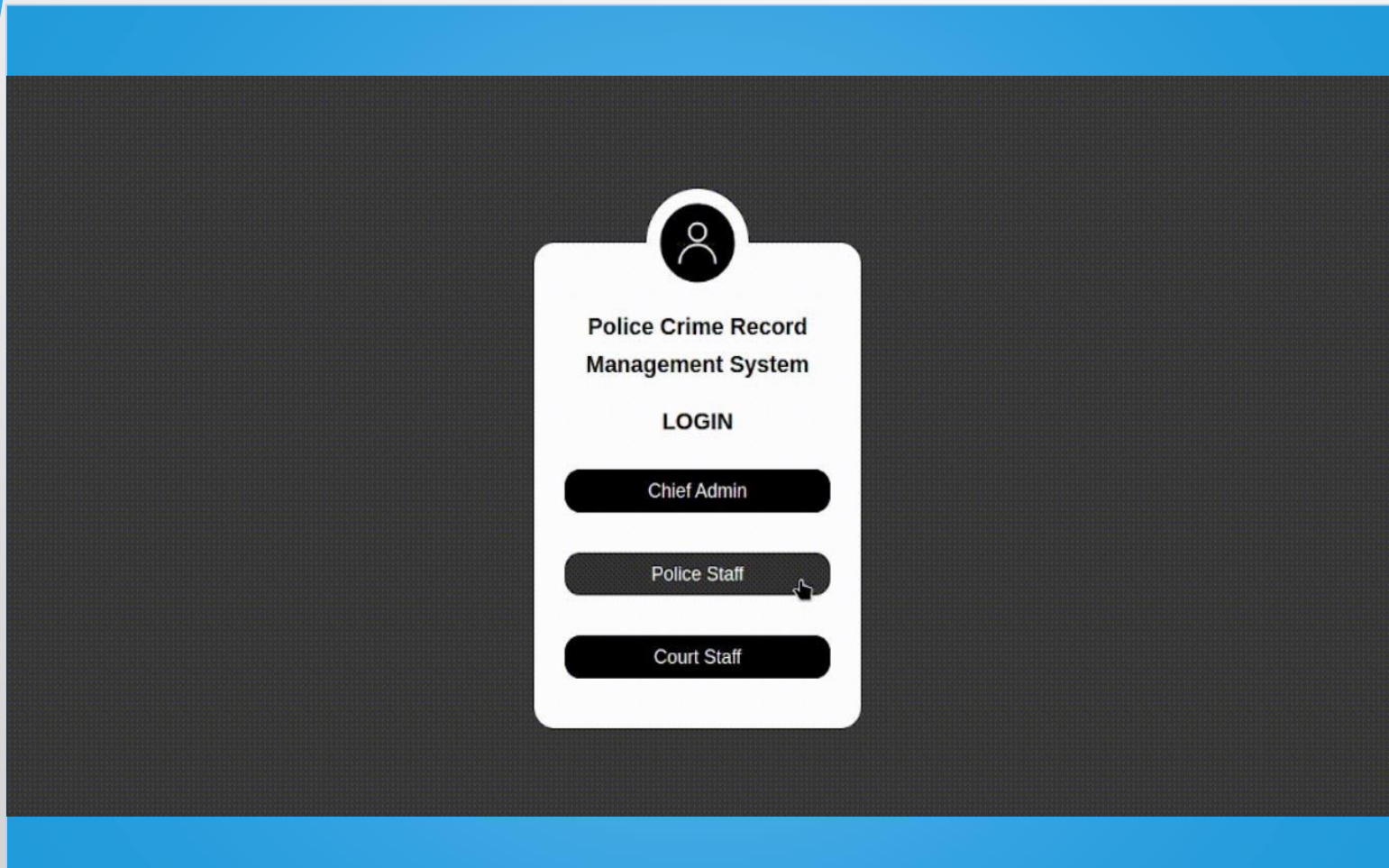- Improved access control and security with role-based views.

FUTURE WORK

- Add support for biometric login for police staff.

- Enable map-based crime visualization.

- Integrate analytics dashboard for crime trends.

CONCLUSION

- Developed a functional, modular PCRMS system.

- Digitized essential policing workflows.

- Gained hands-on experience in full-stack development using PHP and MySQL.

Login Page

Criminal Record Module

Police Details Page

Police ID: 15478 **Name:** Kishore Kumar.J **Police Station:** Malappuram **Contact:** 9497996924	**Police ID:** 32587 **Name:** Ravi K **Police Station:** Kollam **Contact:** 9497996908	**Police ID:** 44442 **Name:** R Rajeev **Police Station:** Kannur **Contact:** 94979
Police ID: 45645 **Name:** Sabu Mathew.K.M **Police Station:** Kottayam **Contact:** 9497996947	**Police ID:** 45698 **Name:** Neeraj Kumar Gupta IPS **Police Station:** Kochi **Contact:** 9497998992	**Police ID:** 45879 **Name:** S.Syamsundar IPS **Police Station:** Calicut **Contact:** 9497997999
Police ID: 54555 **Name:** Prasanthan Kani. B.K **Police Station:** Alappuzha **Contact:** 9497996951	**Police ID:** 78441 **Name:** Sudarsan. K.S **Police Station:** Thrissur **Contact:** 9497996948	**Police ID:** 78542 **Name:** P Vijayan IPS **Police Station:** Trivandrum **Contact:** 9497977123
Police ID: 78952 **Name:** RB Krishna **Police Station:** Cochin **Contact:** 9497996997	**Police ID:** 85469 **Name:** G. Sparjan Kumar IPS **Police Station:** Trivandrum **Contact:** 9497996904	