

Incident Management System- BDDS

For Gadchiroli Police Department

Presented By: Cluematrix Technologies Pvt. Ltd.



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Project Overview



Overview

- This is Cloud based Database Management System with the use of police department infrastructure.
- BDDS Incident Management System is a Centralized Database System Designed for accuracy and transparency of the Incident.
- The storing process of data can be done using two methods
 - ❖ On spot data gathering using Mobile Application
 - ❖ Backend data entries using web application

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Project Features



Features

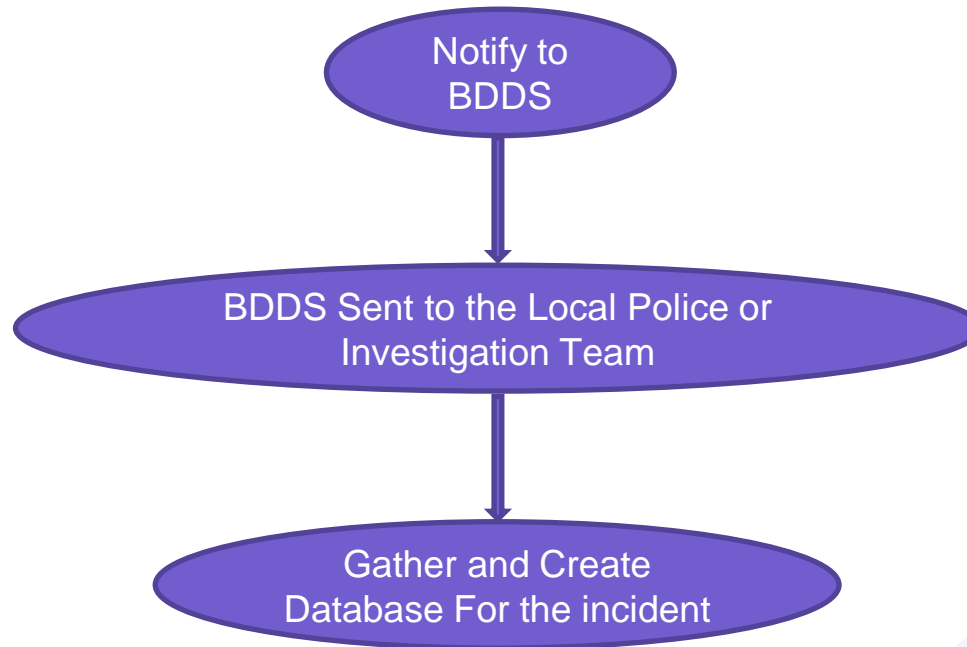
- Centralized Database System with Encrypted Data
- To link the crime with the criminal
- To ensure the safety of people and property
- Proper documentation
- Investigations
- Transparency
- Accuracy

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How it Works



Process





Initial Response to Information

A Web Page
https://bddSystem

BDDS -Central Database System

[View Old](#)

Incidence Serial/ Year: _____ Cr no OR Bomb call: _____

Date and Time: / / Location: _____

Type of Location: Location Description:

Jurisdiction: Type of incidence:

Weight: Type of explosive:

Detonator _____ Switch(mechanism):

Target(Personal/Vehical: Deaths: [add names](#)

Destruction of Property: Injured: [add names](#)

Destruction: ☐ Detected ☐ Exploded Assured Details:

Assured Current Status: Dalam Involved:

FIR: _____

Learning and Mistakes:

Photoes/ Videos: Special Report: Sketch of Scene:

[Submit](#)

*Note: All Uploaded Docus are in Png, Jpeg, Jpeg, or PDF Format

Person Details

Name : Person 1 _____

Contact: Contact 1 _____

Name : Person 2 _____

Contact: Contact 2 _____

Name : Person 3 _____

Contact: Contact 3 _____

[add names](#)

[Submit](#)

If Detected

Mode of detection:

Description:

Detected by whom: Person name _____

Contact: Contact Details _____

How Disposed

Disposed by whom: Person name _____

Contact: Contact Details _____

[Submit](#)

If Exploded

First Responder: _____

Responder Name: Person name _____

Contact: Contact Details _____

[Submit](#)

Create



Initial Response to Information:

A Web Page

https://bddsSystem

BDDS -Central Database System [Create New](#)

Incidence Serial/ Year	Cr no OR Bomb call	Date and time	Location	Type of location	view
1001/ 2022	11234	15/07/2022 :12.34AM	Gyarapatti Latt:1100290 Long:8587947	Forest	Click
1001/ 2022	11234	15/07/2022 :12.34AM	Gyarapatti Latt:1100290 Long:8587947	Forest	Click
1001/ 2022	11234	15/07/2022 :12.34AM	Gyarapatti Latt:1100290 Long:8587947	Forest	Click
1001/ 2022	11234	15/07/2022 :12.34AM	Gyarapatti Latt:1100290 Long:8587947	Forest	Click
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1001/ 2022	11234	15/07/2022 :12.34AM	Gyarapatti Latt:1100290 Long:8587947	Forest	Click

Listing



Initial Response to Information:

A Web Page

https://bddSystem

BDDS -Central Database System

[Back to List](#)

Incidence Serial/ Year: 10001/2022 Cr no OR Bomb call: 10010

Date and Time: 15/07/2022 : 12.08 AM Location: Lat:909898, Long:00909

Type of Location: Forest Location Description: cdnjhiuvhfijofidjfi

Jurisdiction: Sub-division Type of incidence: Explosion

Weight: 5kg and More Type of explosive: Bomb

Detonator: dbdjh Switch(mechanism): 50 words dbhjsugdhjdbchjc

Target(Personal/Vehical): Vehical Deaths: 3 [Details](#)




Destruction of Property: 50 words cdbdhjgahd Injured: 3 [Details](#)

Destruction: ☐ Detected ☒ Exploded Assused Details: 50 words edvbugfuh

Assused Current Status: Arrested Dalam Involved: Gyarapatti, Charbhathi

FIR: jkfkijj

Learning and Mistakes: sd kjndvjck kjndjkvcvjdsj in 200 words

Photoes/ Videos:  Special Report:  Sketch of Scene: 

View

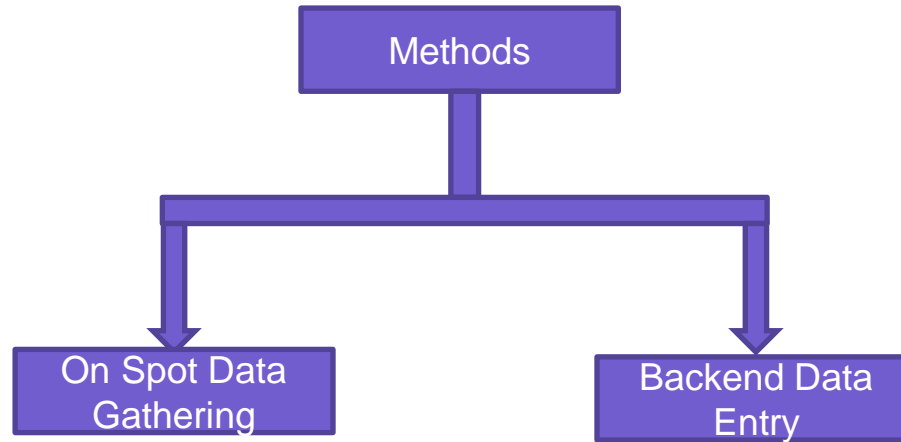
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Working Methods



Working Methods

Data Collection Based on Explode or Diffused





On Spot Data Gathering

- We use Mobile app to Gather Information related to Incident
- Accuracy and Transparency is high
- Time Efficient Approach
- Efficient System that will help to Police Department
- Paper Less System
- We can Capture accurate Latitude and Longitude



Back-end Data Entry

- Backend System that can only used by BDDS to Create information related to Incident
- Accuracy and Transparency is low
- Time Consuming Approach
- Some how we can use Paper
- We can not Capture accurate Latitude and Longitude

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Future Scope



Future Scope

- Mobile App – For People to awareness.
- Peoples can Capture Image and information about incident with current latitude and longitude for the faster process of Incident.
- User Hierarchy Should be maintain for the Data Security.
- To ensure the safety of people and property
- This Can be remove: as Explosive investigation is a difficult task as most of the evidences would have already been lost.

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Technology Stack



Technology Stack

- Database: **PostgreSQL** - PostgreSQL is a powerful, strong reputation for reliability, feature robustness, and performance.
- Mobile Db: **Couchbase Lite** - Couchbase Lite is a powerful NoSQL embedded JSON database. It is a highly scalable DB with enterprise-level security.
- Mobile App- **Backend: Java** - Object Oriented, Secure, Platform Independent, Dynamic and many More.
- Mobile App- **Frontend: xml** - XML provides a standard method to access information, making it easier for applications and devices of all kinds to use, store, transmit, and display data.
- Cloud Based- **Backend: Java** — Object Oriented, Secure, Platform Independent, Dynamic and many more.
- Cloud Based- **Frontend: ReactJS, Html, CSS** — Design, Simple, Attractive, Powerful.

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Benifits



Benifits

- Reduce efforts to identify Incidence
- Time Efficient Approach
- Centralized Database System that will help to Police Department to find any record.
- Secure and Confidential data can be searched
- Data Security and Proper Data management
- Paper less System

Thanking You!!!

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