



# 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



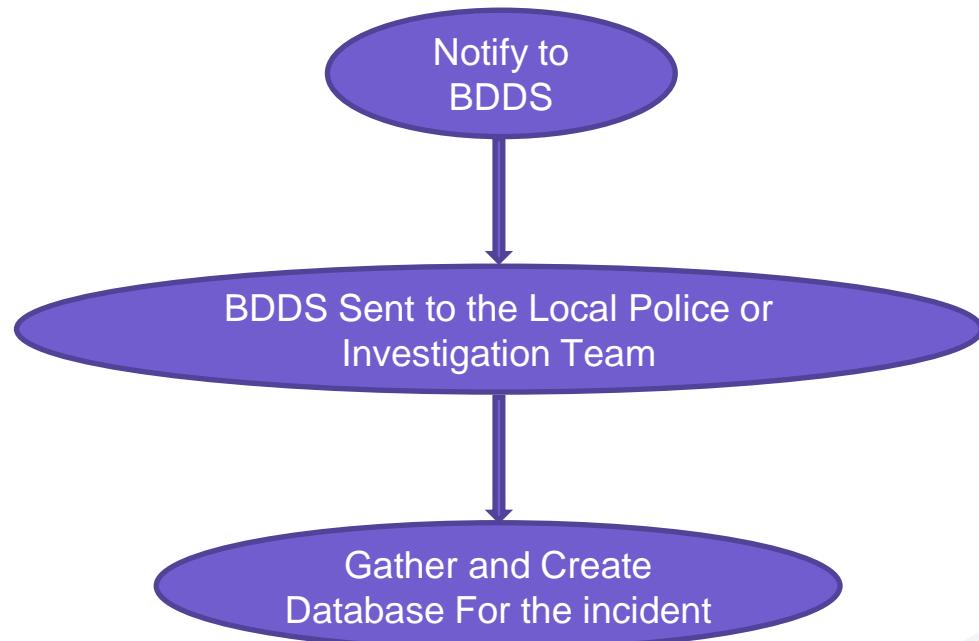
# Features

- 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://bddaSystem

### BDDS -Central Database System

View Old

Incidence Serial/ Year:	Cr no OR Bomb call:		
Date and Time:	<input type="text"/> / / <input type="button"/>	Location:	
Type of Location:	<input type="text"/> Forest	Location Description: <input type="text"/> Description in 50 Words	
Jurisdiction:	<input type="text"/> AOP/SPS/PS/Sub-division	Type of incidence: <input type="text"/> Detected/Explosion	
Weight:	<input type="text"/> 100gm, 1kg, 5kg, other	Type of explosive: <input type="text"/>	
Detonator	<input type="text"/>	Switch(mechanism): <input type="text"/> Description in 50 Words	
Target(Personal/Vehicle)	<input type="text"/> Description in 50 Words	Deaths: <input type="text"/> 3 <input type="button"/> add names	
Destruction of Property	<input type="text"/> Description in 50 Words	Injured: <input type="text"/> 3 <input type="button"/> add names	
Destruction:	<input type="radio"/> Detected <input type="radio"/> Exploded	Assused Details: <input type="text"/> Description in 50 Words	
Assused Current Status:	<input type="text"/> arrested/surrender/detecte	Dalam involved: <input type="text"/> Multiple Selection	
FIR:	<input type="text"/>		
Learning and Mistakes:	<input type="text"/> Description in 200 Words		
Photoe/ Videos:	<input type="button"/>	Special Report: <input type="button"/>	Sketch of Scene: <input type="button"/>
<input type="button"/> 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
<input type="button"/> add names
<input type="button"/> Submit

If Detected

Mode of detection: <input type="text"/> intelligence, during op
Description: <input type="text"/> Description in 50 Words
Detected by whom: Person name
Contact: Contact Details
How Disposed: <input type="text"/> in situ blast, defused a
Disposed by whom: Person name
Contact: Contact Details
<input type="button"/> Submit

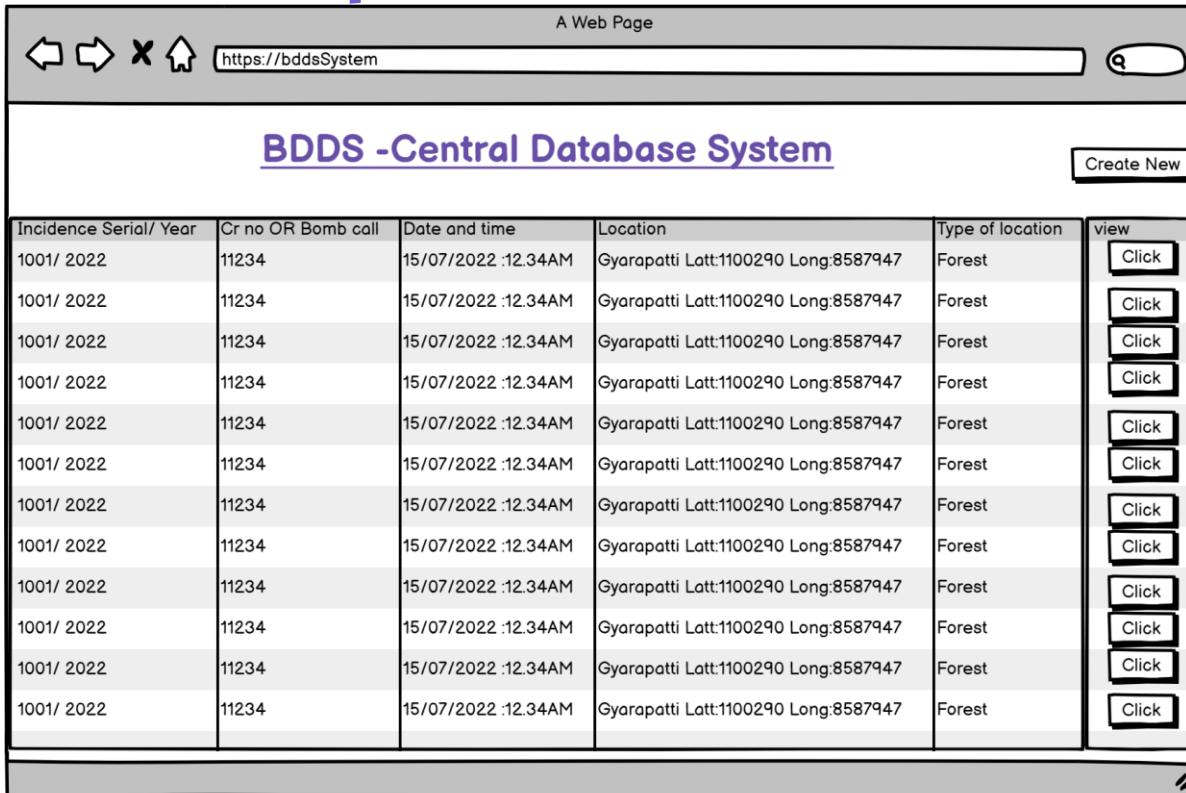
If Exploded

First Responder:
Responder Name: Person name
Contact: Contact Details
<input type="button"/> Submit

# Create



# Initial Response to Information:



# 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:	cdnjhiuvhfijoifdfjfi		
Jurisdiction:	Sub-division	Type of incidence:	Explosion		
Weight:	5kg and More	Type of explosive:	Bomb		
Detonator	dbdjh	Switch(mechanism):	50 words dbhsgudhjdbchjc		
Target(Personal/Vehicle):	Vehical	Deaths:	3 <a href="#">Details</a>		
Destruction of Property:	50 words cdbdhigshd	Injured:	3 <a href="#">Details</a>		
Destruction:	<input type="radio"/> Detected <input checked="" type="radio"/> Exploded	Assused Details:	50 words edvbugfuh		
Assused Current Status:	Arrested	Dalam Involved:	Gyarapatti, Charbhatti		
FIR:	jkfkjjj				
Learning and Mistackes:	sd kjnvdkkjndjkcvcjdskj in 200 words				
Photo/ Videos:		Special Report:		Sketch of Scene:	

# View

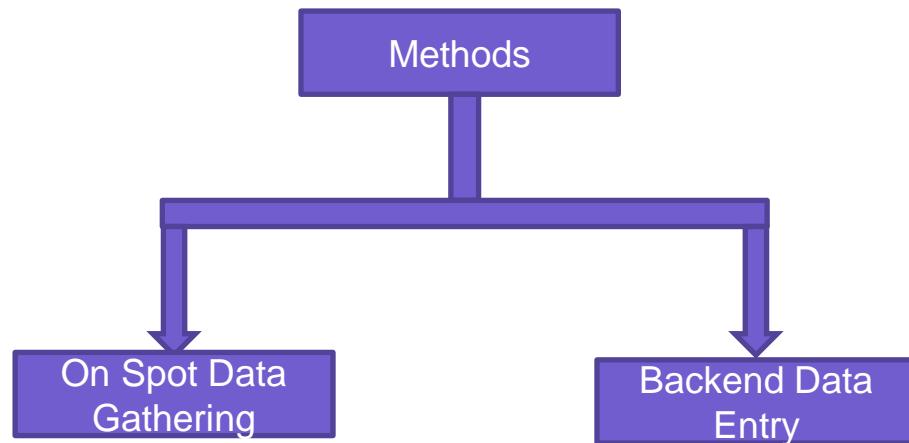
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## Working Methods



# 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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## Benefits



# Benefits

- 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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