

# Overview on ROAD ACCIDENT DATA MANAGEMENT SYSTEM

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A GIS-based Accident Database Management System

## Key Features

- Customized Accident Report Form
- Exhaustive Analysis Features
- Very detailed Reporting Module
- Query Builder
- Dash-Board for a quick view of data
- Automated E-mails upon Accident Reporting
- Home Page, Settings etc

## Benefits of RADMS application

- Web based system
- Easy to deploy, easy to use
- GIS advantage
- Comprehensive/ flexible reporting capabilities
- Extensive interfacing capabilities
- Powerful analysis engine
- Customization options

## Requirements of good data collection systems

- Backbone of any road safety initiative
- Provides invaluable information to the wide range of agencies working in road safety
- Four main elements
  - a system to report and record crashes
  - data storage and retrieval,
  - a process of crash analysis, and
  - a method for reporting and otherwise distributing road safety information.



## Non – Functional Features of the System.

- Security
- Transactions Management
- Auditing
- Logging
- Concurrency

## Login

- RADMS application is accessed through a web browser
- Access by user name and password
- Only authorized users can enter into the application



## Home

- Home page is displayed when you successfully login into the application
- Shows the overview of the application at a glance
- Functionalities supported:
  - Search and View accidents on the map
  - View the accidents on the map using display options
  - Perform analyses on searched accidents
  - View the Monthly trend of accidents
  - View the Latest updates
  - Access My Shortcuts



# Road Accident Database Management System



Home

Filter Accidents

Search

District: All

Police Station: All

Accident Severity: All  
Fatal  
Grievous injury

From Date: 01/08/2008

To Date: 13/10/2009

Filter

Clear

Search Results

FIR No	Accident Date
<a href="#">TIN/CHINA/00177/2009</a>	12/10/2009
<a href="#">TIN/SAMPV/00094/2009</a>	12/10/2009
<a href="#">TIN/ALANU/00551/2009</a>	12/10/2009
<a href="#">TIN/CHERN/00264/2009</a>	11/10/2009
<a href="#">TAN/THIRP/00336/2009</a>	11/10/2009
<a href="#">TIN/PATHA/00119/2009</a>	11/10/2009
<a href="#">TAN/PATTU/00612/2009</a>	11/10/2009
<a href="#">TIN/ACHAN/00273/2009</a>	11/10/2009

Total accidents found:42481

Map Display Option

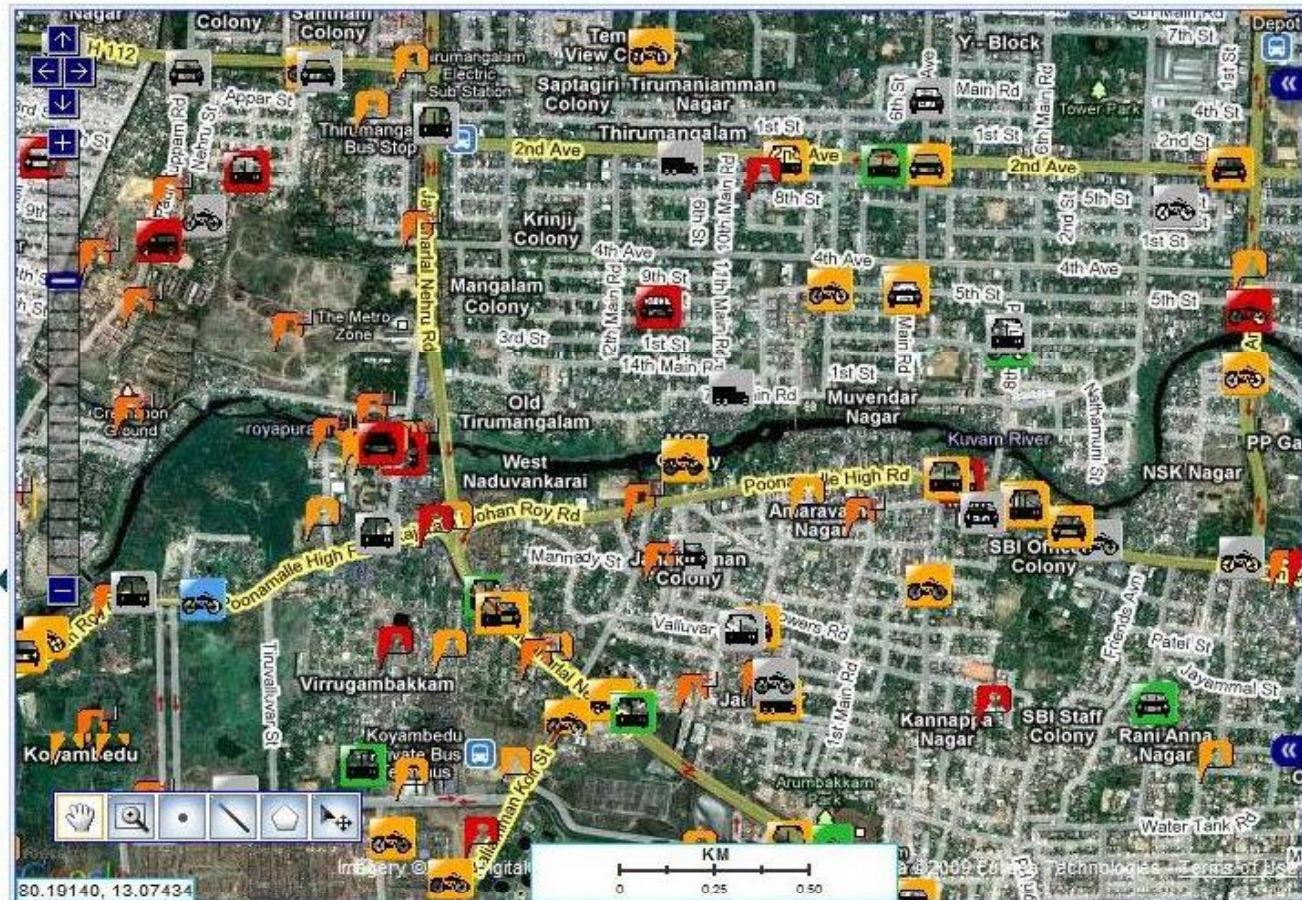
☒ Normal ☐ Pin Map ☐ Stacked map

Hide

Display

Accident Display Option

Go to: Select----- GO



[View Legend](#)

[View Drawings](#)

Clear Drawings

Save Drawings

Save Map



## Accident Report Form (ARF)

- Accident Report Form (ARF) is the form which records the entire details of an accident
- The Accident Report module helps you do the following:
  - Record details of an accident in the ARF
  - Search for and view details of an accident
  - Manage ARF(s)
  - View Pending Reports
  - Import and Export ARF(s)

## Record details of an accident

- Accident details are captured in RADMS through the Accident Report Form (ARF) screen
- The ARF would be initially entered by the Police Department
- The details captured are grouped under the following categories:
  - General Details
  - Location Details
  - Collision Details
  - Vehicle Details
  - Driver Details
  - Passenger Details
  - Pedestrian Details

## General Details

General Details	Location Details	Collision Details	Vehicle Details	Driver Details	Insurance Details	Medical Details
<b>Accident Information</b>						
FIR No. * <input type="text" value="ALR/ANDIA/"/> <input type="text" value="/2009"/>		District * <input type="text" value="Ariyalur"/>		Police Station * <input type="text" value="Andimadam"/>		
Severity * <input type="text" value="Grievous injury"/>		Date of Occurrence * <input type="text" value=""/>		Time * <input type="text" value=""/>		
Section of Law <input type="checkbox"/> 184 mva <input type="checkbox"/> 279 ipc <input type="checkbox"/> 304a ipc <input type="checkbox"/> 336 ipc		Date of Reporting <input type="text" value="13/10/2009"/> (Tue)		Time <input type="text" value="11:18"/>		
		Data Filled By <input type="text" value=""/>				
<b>Vehicle and Other Details</b>						
No. of Vehicles Involved * <input type="text" value=""/>		No. of Drivers Involved * <input type="text" value=""/>				
No. of Passengers Involved * <input type="text" value="1"/>		No. of Pedestrians Involved * <input type="text" value="1"/>				
<b>Road Condition and Details at Accident Spot</b>						
Collision Type * <input type="text" value="Select-----"/>		Surface Type <input type="text" value="Tarred (bitumen)"/>		Road Speed Limit <input type="text" value="40"/>		
Junction Control <input type="text" value="Not at junction"/>		Road Works <input type="radio"/> Yes <input checked="" type="radio"/> No		Weather <input type="text" value="Fine"/>		
Light Condition <input type="text" value="Select-----"/>		Accident Cause <input type="text" value="Select-----"/>		Approx. Cost of Damage <input type="text" value="0"/>		
Traffic Movement <input type="text" value="Two-way"/>		Attendance of Police <input type="radio"/> Yes <input checked="" type="radio"/> No		Police station's Phone no <input type="text" value=""/>		
No of Animals Killed <input type="text" value=""/>		No of Animals Injured <input type="text" value=""/>		Other Features Involved <input type="text" value="Select-----"/>		
Traffic Restriction <input type="text" value="None"/>						

## ARF – General Details contd..

No of Animals Killed	<input type="text"/>	No of Animals Injured	<input type="text"/>	Other Features Involved	Select-----
Traffic Restriction	None				
Cause1	<input type="text"/>	Remedial Measure 1	<input type="text"/>		
Cause2	<input type="text"/>	Remedial Measure 2	<input type="text"/>		

Additional Details (To be filled by Highways Department)					
Carriageway width (m)	<input type="text"/>	Shoulder	<input checked="" type="radio"/> Yes <input type="radio"/> No	Foot Path	<input checked="" type="radio"/> Yes <input type="radio"/> No
				No. of Lanes	1
Shoulder Type	Paved	Junction Type	Select-----	Road Category	State highway
Road Narrowing	No	Road Char. Horz.	Select-----	Road Char. Vert.	Select-----
Structure Narrowing	<input type="radio"/> Yes <input checked="" type="radio"/> No	Central Divider	<input checked="" type="radio"/> Yes <input type="radio"/> No	Road Condition	Good

[ARF List](#) [Save](#) [Clear](#) [Back](#) [Print](#)

**Disclaimer :** The data and information contained in this screen and in the RADMS application database, including any personal information, are collected from available sources, and has not been validated for factual correctness. Any warranty as to the authenticity of such base data is disclaimed. The data is collected and analyzed with the objective of bringing down the road accidents in the State of Tamil Nadu. The data contained herein shall not be used for individual benefit including, without limitation, as evidence in any court of law or other proceedings.

## Vehicle Details

Vehicle Details			
Color	Select-----	Loading	Properly
Vehicle Light	Faulty <input type="checkbox"/> Misuse <input type="checkbox"/>	Left Hand Drive	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Vehicle Motion	Select-----	Skid Length (m)	
		Vehicle Damage	Select-----
			<input type="radio"/> Accused <input checked="" type="radio"/> Victim
		Owners Details	

Additional Details (To be filled by Transport Department)			
Registration Number *		Vehicle Type	Select-----
Model *	Select-----	Vehicle Defect	Select-----
Chassis Number		Year of Manufacture	
Certificate of Fitness	Select-----	Vehicle Speed Limit	Select-----
RC validity expiry date		Permit validity expiry date	
Insurance Company	Select-----	Insurance Number	
Tax Details			
		Make *	Select-----
		Engine Number	
		Permit Number	
		FC validity expiry date	
		Tyre Burst	<input type="checkbox"/>
		Insurance Expiry Date	

Vahan Details	
Search for vehicle details from Vahan database <a href="#">Click Here</a>	
Browse and upload vehicle details in xml format	<input type="button" value="Browse..."/>
View and accept vehicle details <a href="#">Click Here</a>	



# Road Accident Database Management System



## Vahan Details

Search for vehicle details from Vahan database [Click Here](#)

Browse and upload vehicle details in xml format

Browse...

View and accept vehicle details

[Click Here](#)

ARF List

Save

Clear

## Vehicles List

Vehicle Number	Registration Number	Vehicle Type	Make	Model	Vehicle Damage		

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# Road Accident Database Management System



General Details

Location Details

Collision Details

Vehicle Details

Driver Details

Passenger Details

Protection Details

Collision Details

Police Description of Accident

Type

Select-----

Description

Select-----

[View Enlarged Image](#)

Contributory Factor Type

Select-----

Browse...

Contributory Factor



>

<

<<

Hit and Run ☐ Yes ☒ No

Voice Assistance




ARF List

Save

Clear

Create Collision Diagram

## Location Details

General Details		Location Details		Collision Details		Vehicle Details		Driver Details		Insurance Details	
<b>Location Details</b>											
Location Type *	Select-----		Location Name		Select-----		<b>Location Sketch</b> 				
City	Select-----		Village		Select-----						
Rural/Urban	<input checked="" type="radio"/> Rural <input type="radio"/> Urban		Landmark2		Select-----						
Landmark1 *	Select-----		Landmark3		Select-----						
Landmark3	Select-----		Landmark4		Select-----						
Road Number	Select-----		Road Name								
Longitude *	0.0		Latitude *	0.0		<a href="#">Map</a>		<a href="#">View Enlarged Image</a>			
								<input type="text"/> <a href="#">Browse...</a>			
<b>Additional Details (To be filled by Highways Department)</b>											
Kilometre	<input type="text"/>										
<a href="#">ARF List</a> <a href="#">Save</a> <a href="#">Clear</a>											

## Driver Details

### Driver Details

Name \*

Age (in years) \*

Gender

☒ Male
 ☐ Female

Vehicle Number \*

Injury Severity \*

Select-----

Injury Type

Select-----

Nature of Injuries

Select-----

Alcohol/Drugs Used

None

Seat Belt/Helmet Worn

☐ Yes
 ☐ No
 ☒ NA

Mobile Phone Used

☐ Yes
 ☒ No

Occupation

Select-----

Hospitalization Mode

Transported By--

Residence of Driver

Tamilnadu

Hospitalization Time

Arrived At-----

Details of Deceased

Not Applicable

### Additional Details (To be filled by Transport Department)

License Number

License Type

Full

Driver Error

Select-----

Driver Education

Select-----

Owner/Paid Driver

Select-----

### Sarathi Details

Search for driver details from Sarathi database

[Click Here](#)

Browse and upload driver details in xml format

Browse...

View and accept driver details

[Click Here](#)

ARF List

Save

Clear

### Drivers List

No	Name	Gender	Age (in years)	Vehicle Number	Injury Severity		

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## Search for and view list of accidents

- The ARF can be searched using search/ filter criteria.
- The details of an ARF can be viewed

**Accident Reporting >> search ARF**

**Filter Accidents**   **Search**

District: All  
Police Station: All  
Accident Severity: All, Fatal, Grievous injury  
From Date: 01/08/2008  
To Date: 13/10/2009  
**Filter**   **Clear**

**Search Results**

FIR No	Date of Occurrence	Accident Severity	No. of Vehicles Involved	No. of Drivers Involved
<a href="#">TIN/SAMPV/00094/2009</a>	12/10/2009	Fatal	2	2
<a href="#">TIN/ALANU/00551/2009</a>	12/10/2009	Simple injury (hospitalised)	2	2
<a href="#">TIN/CHINA/00177/2009</a>	12/10/2009	Vehicle damage only (non - injury)	2	2
<a href="#">TIN/CHERN/00264/2009</a>	11/10/2009	Simple injury (hospitalised)	2	2
<a href="#">SVG/ARAVA/00167/2009</a>	11/10/2009	Grievous injury	1	1
<a href="#">TIN/PATHA/00119/2009</a>	11/10/2009	Simple injury (hospitalised)	2	2
<a href="#">TAN/THIRP/00336/2009</a>	11/10/2009	Fatal	1	1
<a href="#">TIN/ACHAN/00273/2009</a>	11/10/2009	Simple injury (hospitalised)	1	1
<a href="#">CUD/PUDUC/00318/2009</a>	11/10/2009	Fatal	2	2
<a href="#">TIN/TIRUE/00209/2009</a>	11/10/2009	Grievous injury	2	2
<a href="#">TAN/THIMR/00335/2009</a>	11/10/2009	Grievous injury	1	1
<a href="#">NGT/MAYIA/01082/2009</a>	11/10/2009	Simple injury (hospitalised)	1	1
<a href="#">NKL/KOMAR/00623/2009</a>	11/10/2009	Simple injury (hospitalised)	1	1
<a href="#">TIN/PULIA/00372/2009</a>	11/10/2009	Grievous injury	2	2
<a href="#">TIN/PANAG/00394/2009</a>	11/10/2009	Simple injury (hospitalised)	1	1
<a href="#">TAN/PATTU/00612/2009</a>	11/10/2009	Simple injury (hospitalised)	1	1

1 2 3 4 5 6 7 8 9   **Total accidents found: 42487**



## Manage ARF

- The entered ARFs can be modified by the respective user to add further details of the ARFs
- The concerned authority should verify the correctness of the data

Accident Reporting >> Manage ARF

**Search**

From Date \* 13/10/2008 To Date \* 13/10/2009 District All Police Station All Role \* Administrator Status \* All **Search**

**Search Results**

	FIR No	Submission Date	District	Police Station	Creator	User Operation
<input type="radio"/>	<a href="#">00030/2009</a>	03/03/2009	THANJAVUR	THIRUNEELAKUDI	rsms	Deleted
<input type="radio"/>	<a href="#">00064/2009</a>	28/02/2009	THANJAVUR	THIRUNEELAKUDI	rsms	Deleted
<input type="radio"/>	<a href="#">ALR/ANDIA/00000/2008</a>	20/09/2009	ARIYALUR	ANDIMADAM	rsms	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00001/2009</a>	01/08/2009	ARIYALUR	ANDIMADAM	rsms	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00004/2009</a>	23/08/2009	ARIYALUR	ANDIMADAM	alramdps	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00008/2009</a>	11/08/2009	ARIYALUR	ANDIMADAM	rsms	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00037/2009</a>	04/09/2009	ARIYALUR	ANDIMADAM	rsms	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00062/2009</a>	02/08/2009	ARIYALUR	ANDIMADAM	rsms	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00078/2009</a>	23/08/2009	ARIYALUR	ANDIMADAM	alramdps	Created
<input type="radio"/>	<a href="#">ALR/ANDIA/00084/2009</a>	25/07/2009	ARIYALUR	ANDIMADAM	rsms	Created

<< < 1 2 3 4 5 > >>

**Modify Delete**

- The Transport and Highways users can view the ARF to be filled
- The ARF's filled by Police can be updated with Transport and Highways department details.
- Transport department users can view all the ARF's filled by Police
- ARF's that are Fatal or involves casualty more than 5 can be modified by Highway Department user.

1 March 2012

## Pendency Report

- The authorities of the three department can view ARF's that are pending.
- The same can be intimated to the concerned user

**Accident Reporting >> Pendency Report**

**Search Criteria**

District \*  Police Station \*  From Date \*  To Date \*

**Police Department**

**Police ARF Details**

Total number of Created ARF : 2316 [Details](#)  
Total number of Deleted ARF : 22 [Details](#)

**Pendency Details**

FIR Number	District	Police Station	Accident Date	Severity	ARF Reported Date
ALR/ANDIA/00461/2009	ARIYALUR	ANDIMADAM	14-Sep-2009	SIMPLE INJURY (HOSPITALISED)	15-Sep-2009
ALR/ARIYL/00757/2009	ARIYALUR	ARIYALUR	23-Sep-2009	VEHICLE DAMAGE ONLY (NON - INJURY)	24-Sep-2009
ALR/KEELP/00443/2009	ARIYALUR	KEELAPALUR	21-Sep-2009	SIMPLE INJURY (HOSPITALISED)	22-Sep-2009
ALR/KEELP/00450/2009	ARIYALUR	KEELAPALUR	29-Sep-2009	FATAL	29-Sep-2009
ALR/KEELP/00457/2009	ARIYALUR	KEELAPALUR	07-Oct-2009	SIMPLE INJURY (HOSPITALISED)	09-Oct-2009
ALR/MEENU/00417/2009	ARIYALUR	MEENSURITY	16-Sep-2009	VEHICLE DAMAGE ONLY (NON - INJURY)	16-Sep-2009
ALR/MEENU/00419/2009	ARIYALUR	MEENSURITY	17-Sep-2009	SIMPLE INJURY (HOSPITALISED)	18-Sep-2009
ALR/MEENU/00422/2009	ARIYALUR	MEENSURITY	18-Sep-2009	FATAL	19-Sep-2009
ALR/MEENU/00425/2009	ARIYALUR	MEENSURITY	23-Sep-2009	SIMPLE INJURY (HOSPITALISED)	23-Sep-2009
ALR/MEENU/00428/2009	ARIYALUR	MEENSURITY	25-Sep-2009	SIMPLE INJURY (HOSPITALISED)	26-Sep-2009

Navigation: << < 1 2 3 4 5 6 7 8 9 > >>

## Import-Export ARF(s)

- The ARF(s) and master data from the central server can be retrieved into the RADMS Lite using Data Export.
- The ARF(s) from RADMS Lite can be synchronized into the central server using Data Import.
- Each RADMS Lite installation has a key that is used to identify the installations.

Accident Reporting >> Export/Import

---

**Export Details**

Installation key \*

---

**Import Details**

Installation key \*  Upload File \*

## Dashboard

- View the trend of accidents across various parameters at a glance
- Easy to analyse and understand the location and cause of accidents
- Various graphs displayed
  - Yearly Statistics of Accidents
  - Graphs based on selected factors
  - Monthly Distribution of Accidents
  - District wise Distribution of Accidents
  - Accidents distribution across factors

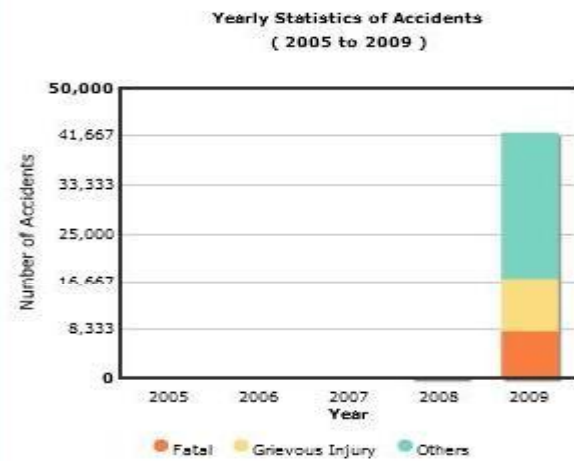


# Road Accident Database Management System



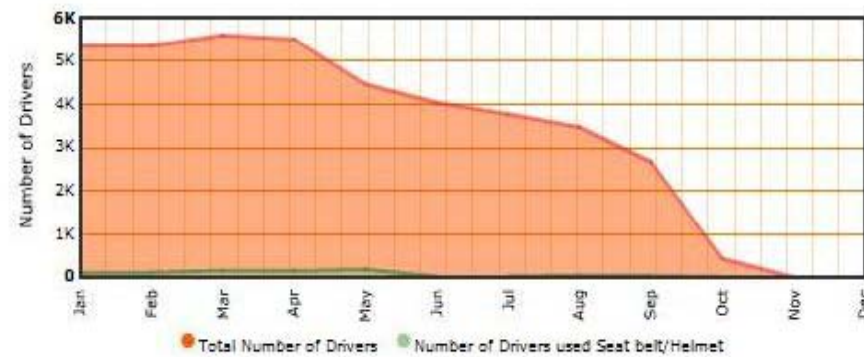
## Dashboard

Click on a column to view the detailed graph



## Graphs based on selected factors

**Monthly trend of Seat belt or Helmet usage  
For the year 2009**



Seatbelt/Helmet Usage

Alcohol Usage

Contributory Factor

Road Fatalities

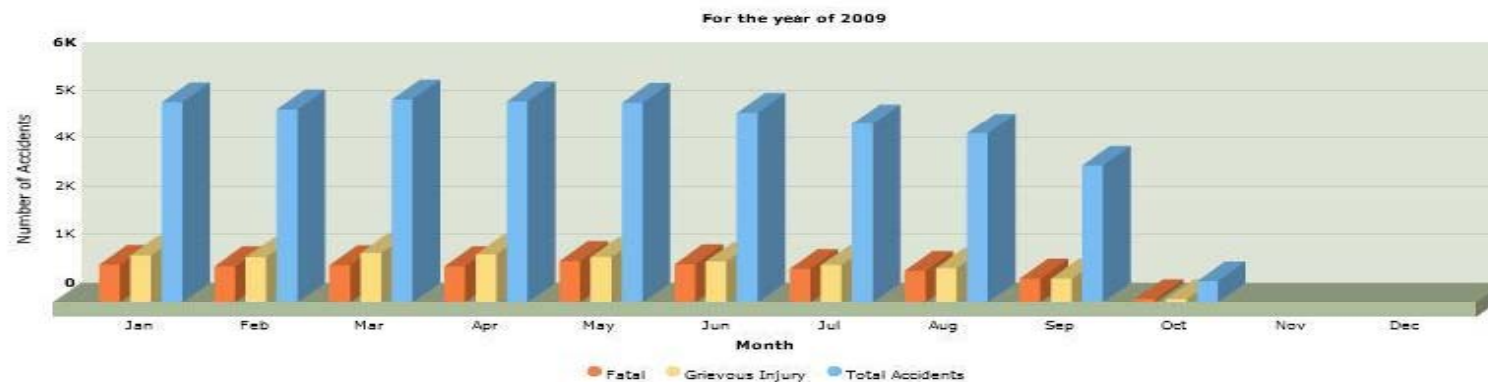
Days of Week

Junction Type

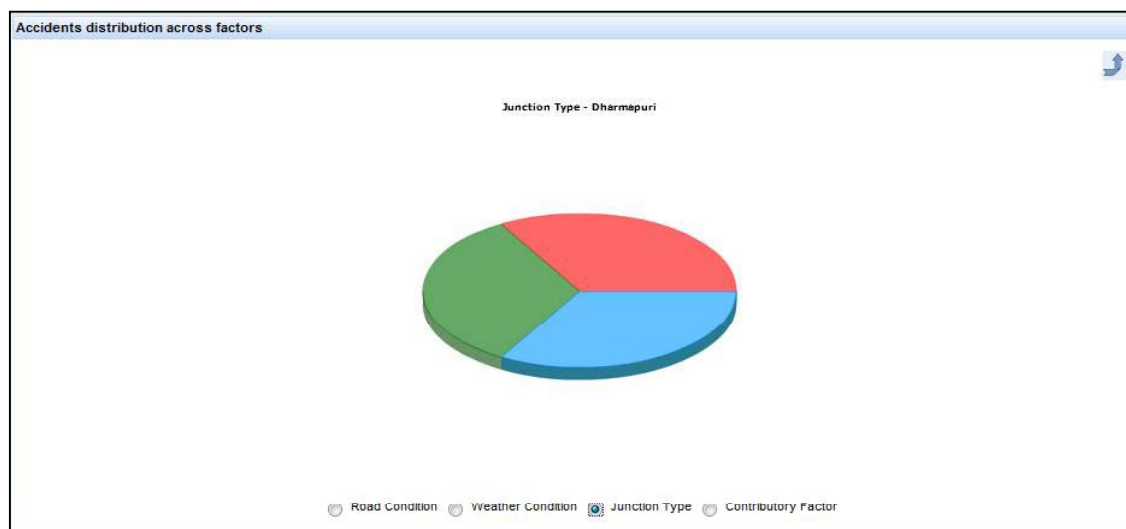
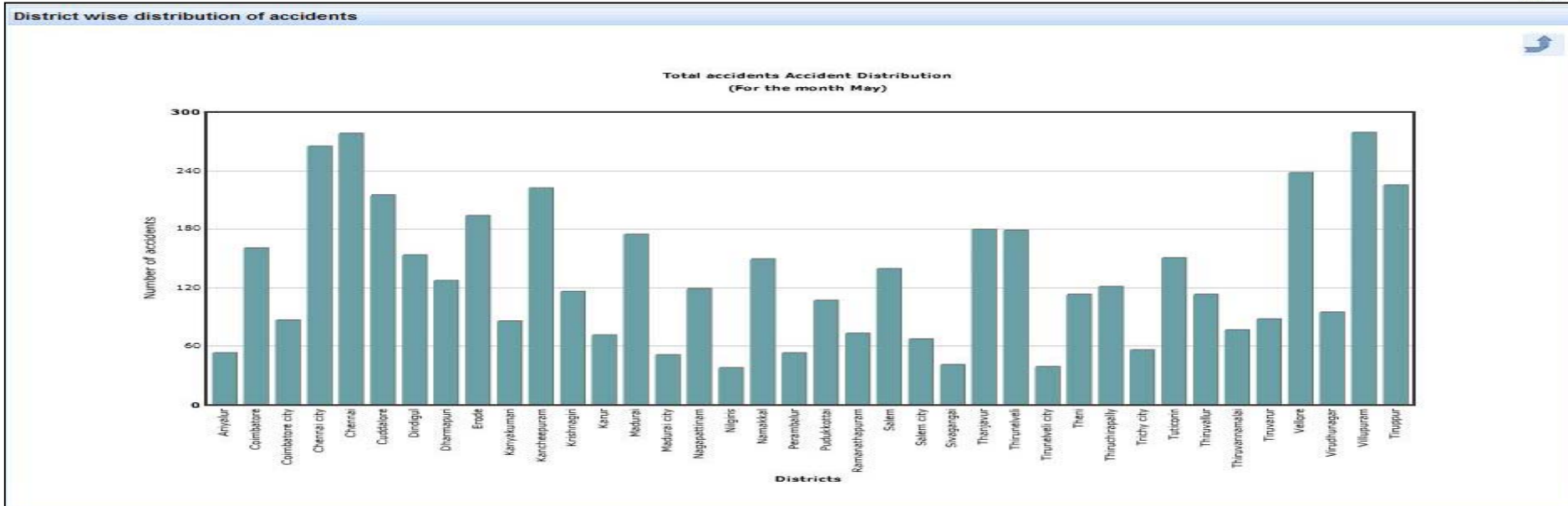
Accident Cost

Type of Vehicle

## Monthly distribution of accidents



# Road Accident Database Management System



## Analysis

- Powerful analysis engine
- Facilitates identification of the problems based on in-depth analyses of accident data
- Different analysis supported by RADMS:
  - Grid Analysis
  - Cluster Analysis
  - Monitor Site Analysis
  - Stick Analysis
  - Safety Benefit Evaluation

## Grid Analysis

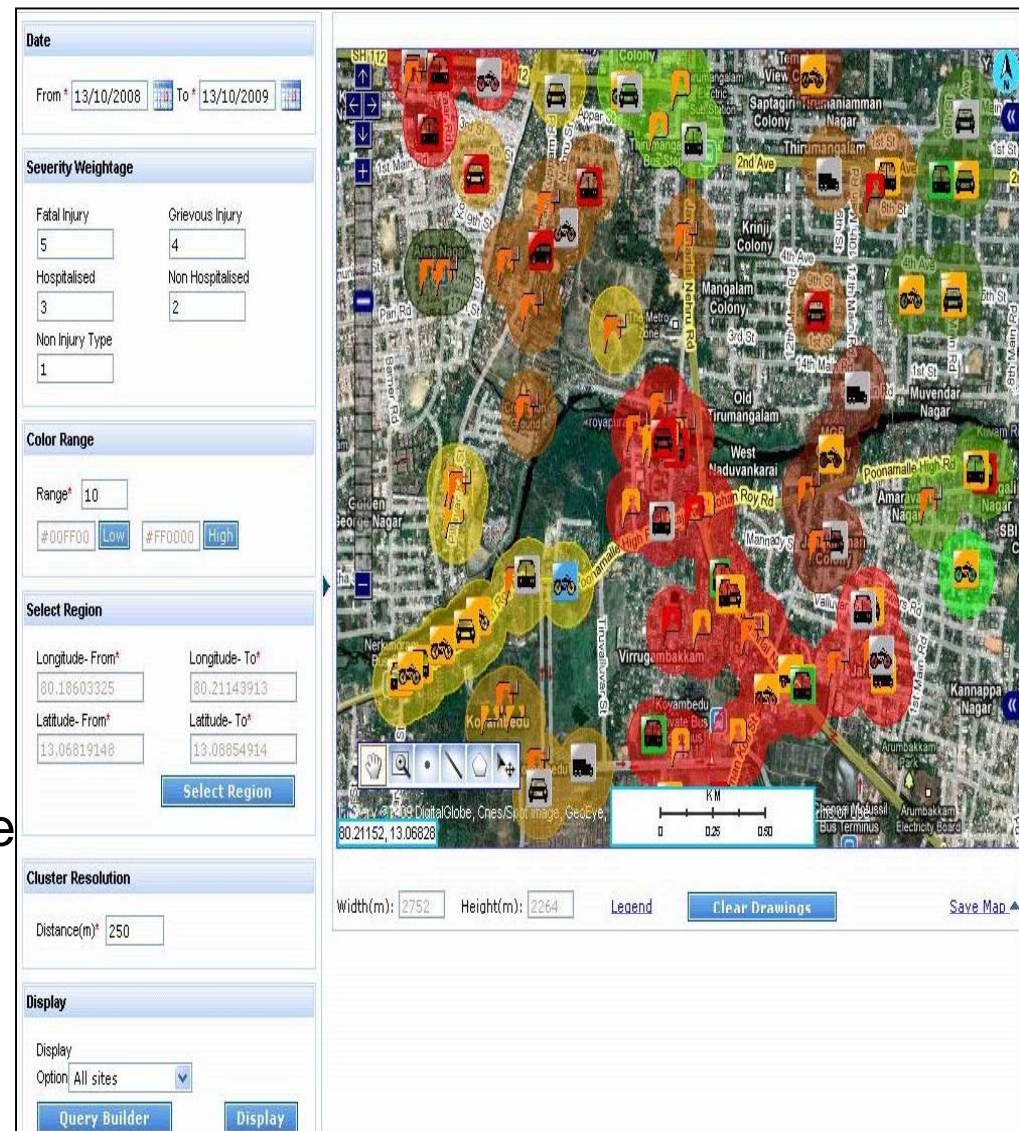
- Analysis carried out on a selected rectangular region
- Selected region divided into smaller grids of specified size
- Grid colour indicates the weightage of the grid according to the number of accidents of each severity





## Cluster Analysis

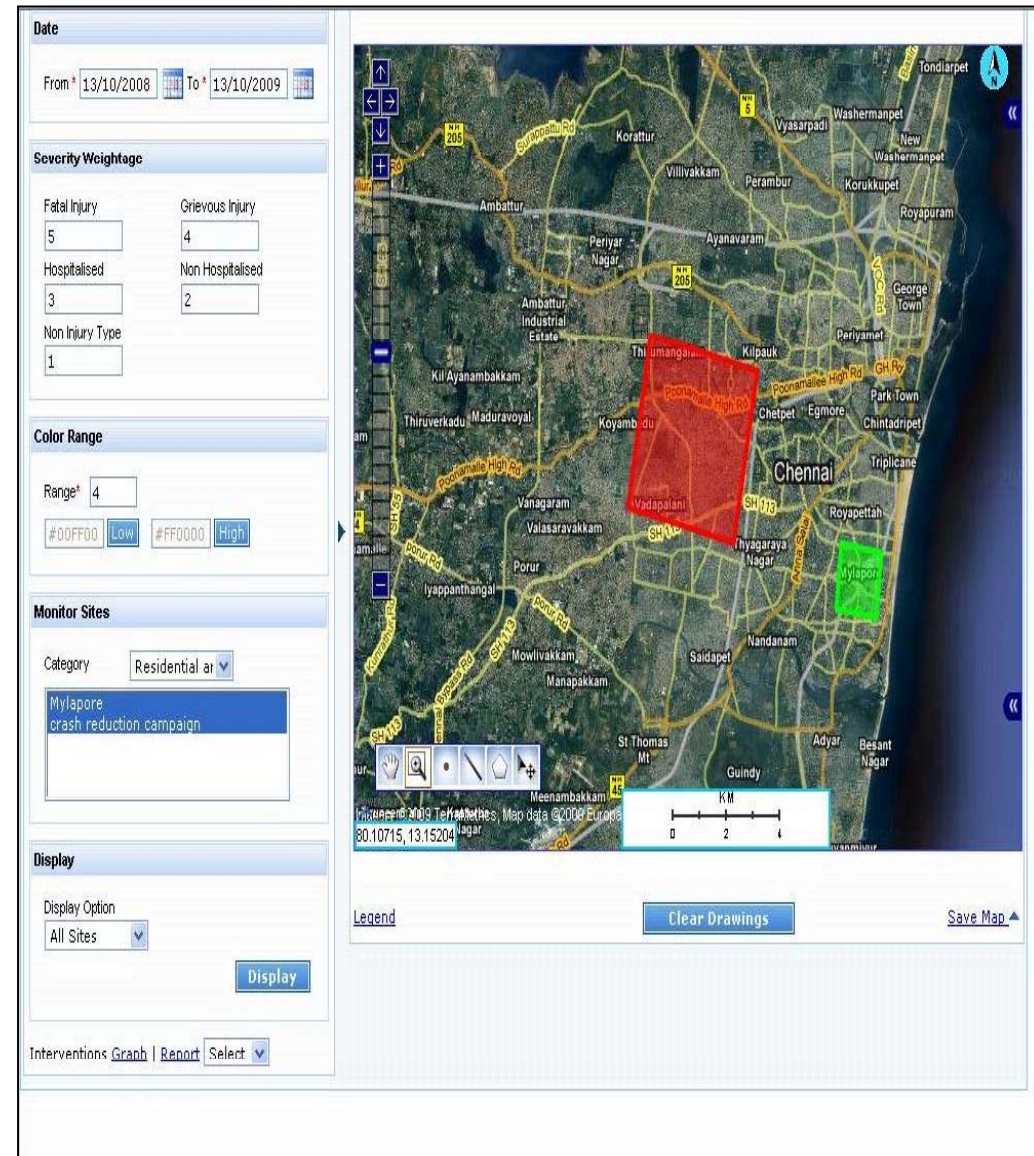
- Analysis carried out on a selected rectangular region.
- Accidents lying within the specified distance of each other grouped into clusters.
- Cluster colour indicates the weightage of the cluster according to the number of accidents of each severity inside each cluster.
- Analysis gives an idea of the density and severity of accidents in the selected area.



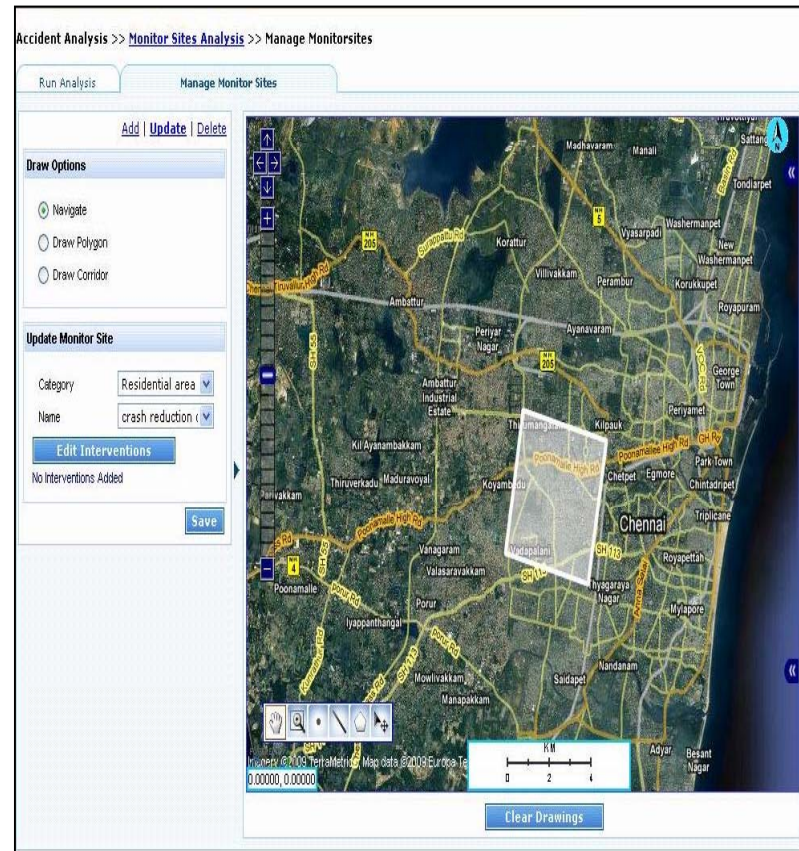


## Monitor Sites Analysis

- Analysis done on regions saved as monitor sites
- Provides a visual comparison of accident severity in the selected monitor sites.
- Report and graph generated showing effects of interventions taken in a region.



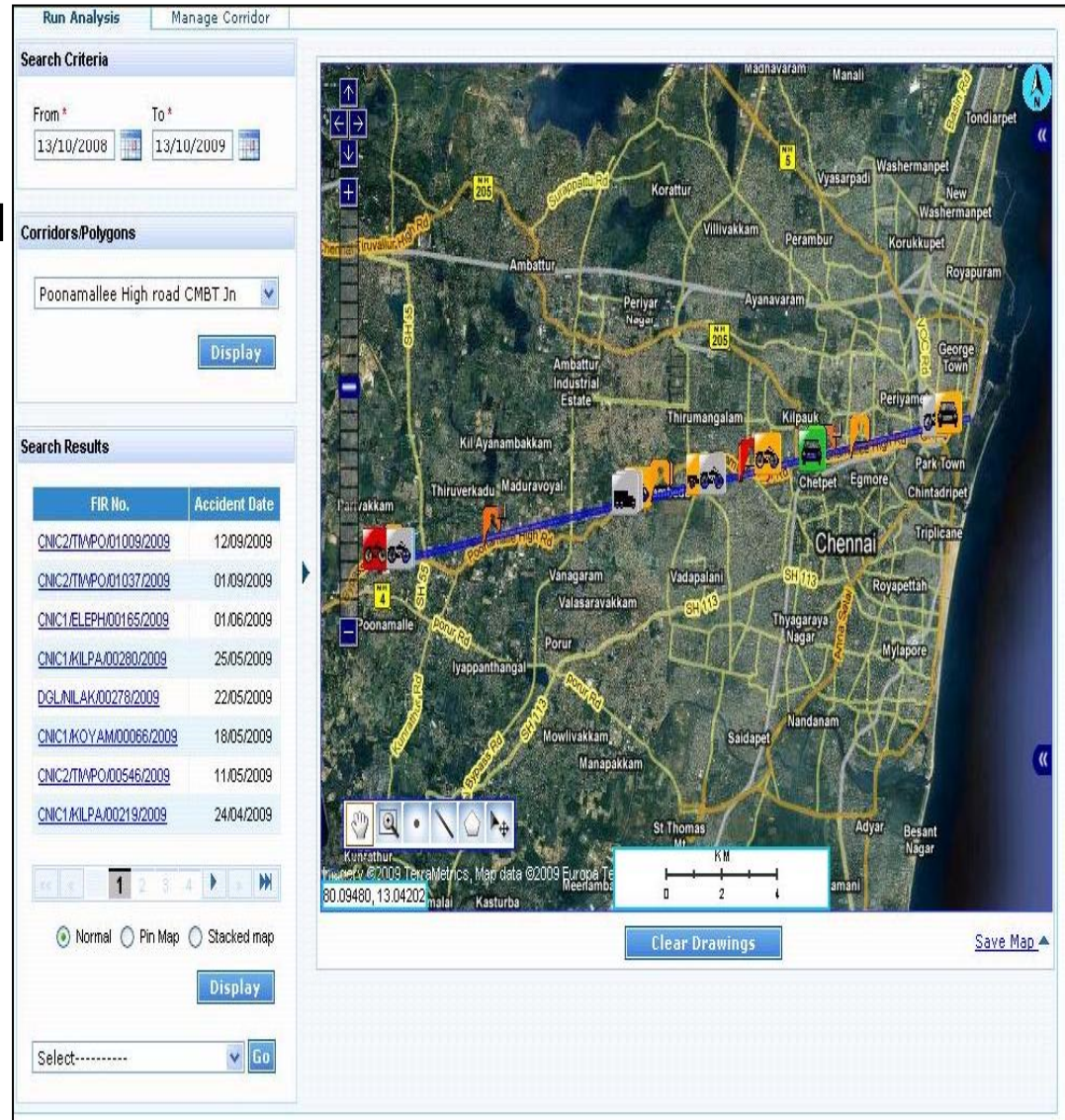
## Monitor Sites Analysis – Create Sites





## Corridor Analysis

- Searches and lists all the accidents inside a selected predefined area and within the given date range.
- Corridors can be created and saved.



The screenshot displays the 'Corridor Analysis' interface of the Road Accident Database Management System. It features a sidebar on the left with search criteria and results, and a main map area on the right showing a corridor in Chennai.

**Search Criteria**

From: 13/10/2008 To: 13/10/2009

**Corridors/Polygons**

Poonamallee High road CMBT Jn

**Search Results**

FIR No.	Accident Date
CNIC2/TMPO/01009/2009	12/09/2009
CNIC2/TMPO/01037/2009	01/09/2009
CNIC1/ELEPH/00165/2009	01/06/2009
CNIC1/MILPA/00280/2009	25/05/2009
DGLNILAK/00278/2009	22/05/2009
CNIC1/MOYAM/00066/2009	18/05/2009
CNIC2/TMPO/00546/2009	11/05/2009
CNIC1/MILPA/00219/2009	24/04/2009

**Map Area:** The map shows a corridor in Chennai, India, with various landmarks and roads labeled. The corridor is highlighted in blue. The map includes a scale bar (0 to 4 km) and a 'Clear Drawings' button.

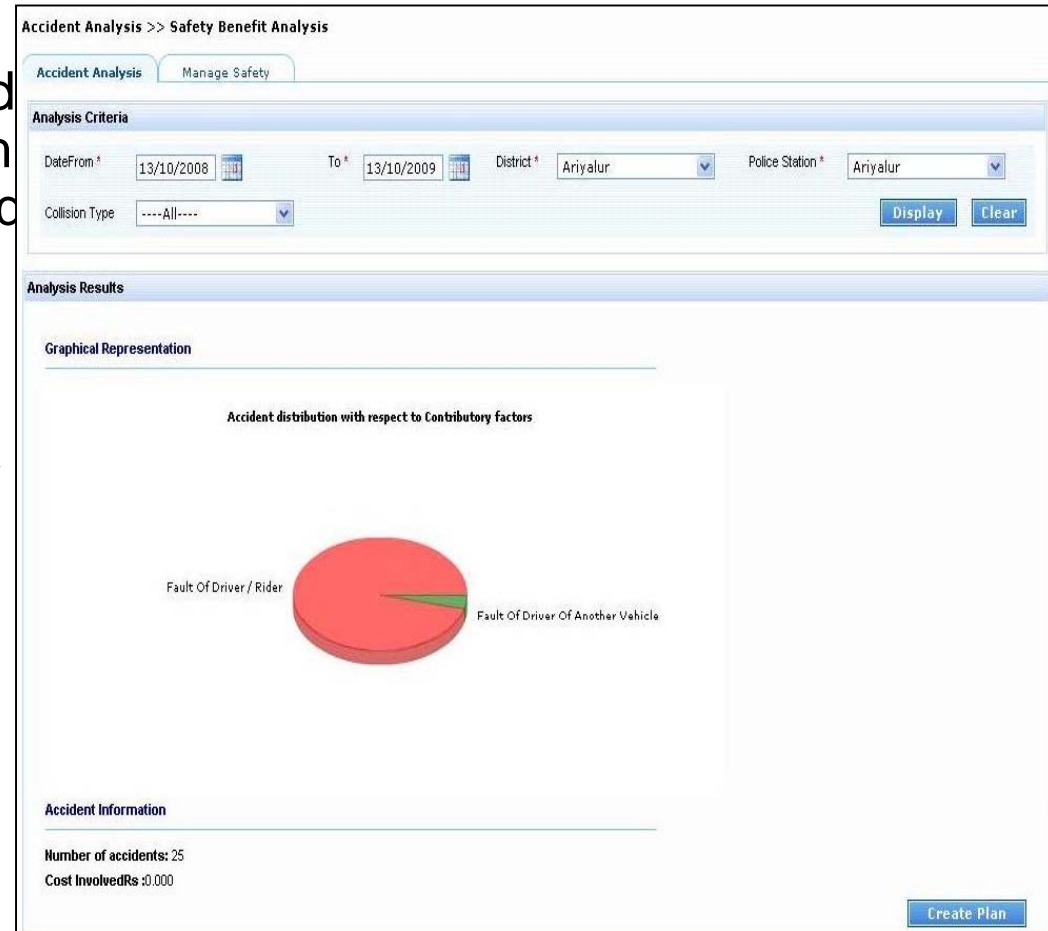
## Stick Analysis

- Provides a visual representation of accident parameters.
- Stick refers to the selection of accident parameters.
- Facilitates identifying accident pattern based on selected parameters.

Stick Analysis Result							
FIR	CUD/KARUV/00165/2009	CUD/PUDUC/00318/2009	NGT/MAYIA/01082/2009	NGT/VELAN/00361/2009	NKL/KOMAR/00823/2009	NKL/KOMAR/00824/2009	SVG/ARAVAI/00165/2009
Road Category	STATE HIGHWAY ROAD CATEGORY	NATIONAL HIGHWAY ROAD CATEGORY	Other	STATE HIGHWAY ROAD CATEGORY	STATE HIGHWAY ROAD CATEGORY	STATE HIGHWAY ROAD CATEGORY	STATE HIGHWAY ROAD CATEGORY
Collision Type	HIT PEDESTRIAN	OTHERS	HIT PEDESTRIAN	HIT BY SIDE	HIT PEDESTRIAN Hit pedestrian	SKIDDING	OVER TURNING
Driver Injury Severity	NI	NI		NI	NI	MI	MI
Passenger Injury Severity				F			NI
Vehicle Loading	PROPERLY LOADING	PROPERLY LOADING		PROPERLY LOADING	PROPERLY LOADING	PROPERLY LOADING	PROPERLY LOADING
Vehicle Type	Truck	Truck		Auto	MC	Auto	MC
<a href="#">Back</a> <a href="#">Print</a>							

## Safety Benefit Evaluation

- Establish safety goals based on identified problems which are measurable, realistic and time specific
- Analysis screen shows the distribution of accidents based on contributory factor
- Plan, monitor and evaluate programmes for counter measures and associate costs and time lines.





## General Query Builder

- Facilitates querying of accidents based upon accident parameters.
- Easy formation of queries – combining different conditions.
- Functionality to save queries and run saved queries.

Query Builder >> General Query Builder

General Details Header Details Location Details **Collision Details** Vehicle Details Driver Details Passenger Details Pedestrian Details

Parameters = Select..... AND OR Add

Collision Description  
Contributory Factor  
Hit and Run  
Type of Collision

Query

Header Details.Accident Severity = Fatal  
OR Header Details.No of Drivers Involved > 2  
OR Collision Details.Contributory Factor = Bad weather

FIR Nos \*\*

Remove All

Run Save Load Delete

\*\* FIR no from different analysis will be displayed here



## General Query Builder

- Result made available as PDF, CSV, XML, DBF.
- Summary report and Stick Analysis can be performed on the result.
- Result viewable on map.

Query Builder >> [General Query Builder](#) >> Search Results

Number of Accidents: 8341

Query Results

FIR Number	Accident Date	Severity	Vehicles Involved	Driver Casualty	Passenger Casualty	Pedestrian Casualty	Accident Time
<a href="#">KPM/MANIM/00168/2004</a>	06/06/2004	Fatal	1	1	1	0	21:00
<a href="#">VLR/JCLAR/00245/2009</a>	04/03/2006	Fatal	1	1	0	1	08:45
<a href="#">NILAJMLM/00083/2009</a>	23/01/2007	Fatal	1	1	0	1	21:00
<a href="#">VLR/VELVR/00380/2009</a>	14/07/2007	Fatal	1	1	1	0	11:30
<a href="#">ERD/MALAY/00015/2009</a>	07/01/2008	Fatal	2	2	0	0	17:30
<a href="#">CNIC2/TIMPO/00049/2008</a>	12/01/2008	Fatal	1	1	0	0	12:30
<a href="#">ALR/MEENU/00017/2009</a>	12/01/2008	Fatal	2	2	0	0	04:00
<a href="#">VPM/TIRUV/00029/2009</a>	13/01/2008	Fatal	1	1	0	1	19:00
<a href="#">TVM/KALAM/00038/2009</a>	30/01/2008	Fatal	2	1	0	0	10:00
<a href="#">CUD/KAMMA/00096/2008</a>	26/02/2008	Fatal	1	1	0	0	16:45
<a href="#">TAN/AYYAM/00095/2009</a>	15/03/2008	Fatal	2	2	1	0	15:00
<a href="#">TVR/ALIVA/00022/2009</a>	22/03/2008	Fatal	2	2	0	0	09:00

1 2 3 4 5 6 7 8 9 > >>

Total Count	12636	12361	6307	3024
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Query Result Statistics

☐ Maximum ☐ Minimum ☐ Average Driver Casualty [View](#) [View All](#)

[Back](#) [High Accident Location](#) [Summary Report](#) [Stick Analysis](#) [View Map](#)

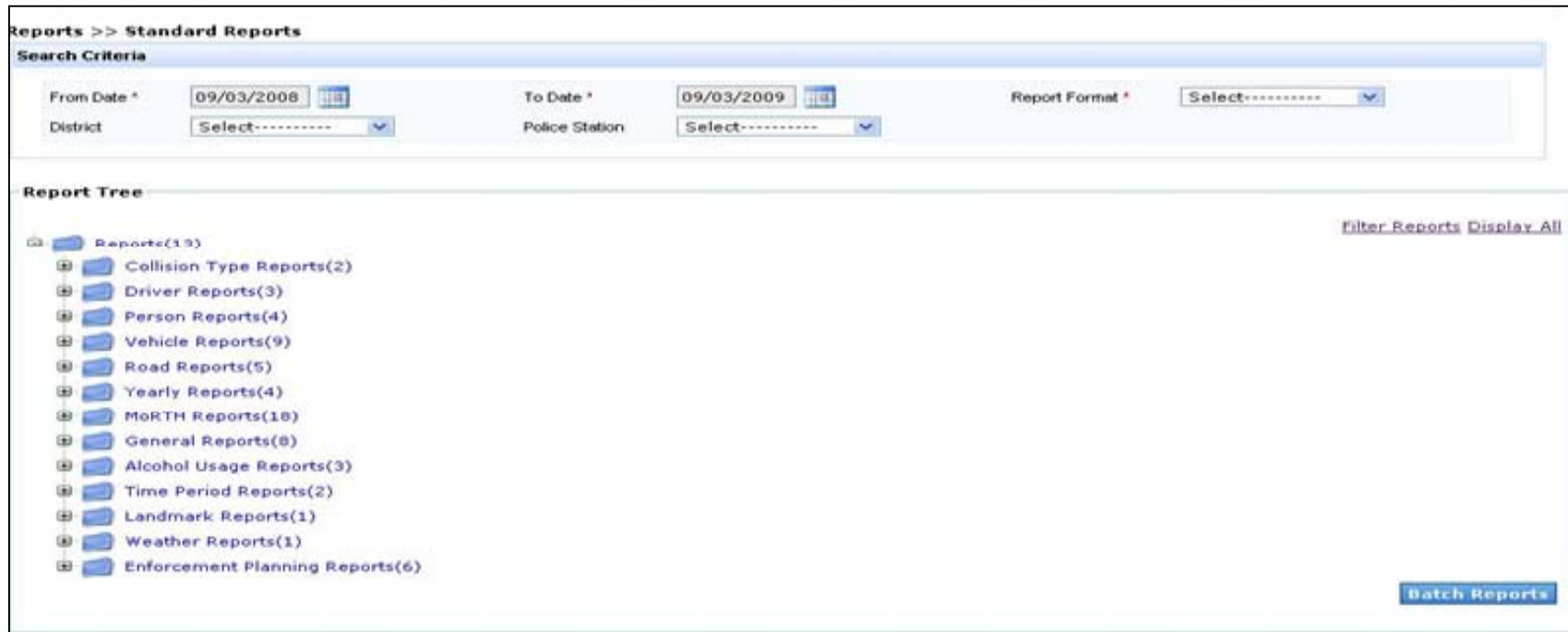
[ExportTo](#) [Print](#)

## Reports

- Reports can be used to publish facts for road safety personnel so that they can get a clear picture of the safety situation and format solutions, for providing a better and safer environment for all road users.
- Reports in RADMS are mainly classified as:
  - Standard Reports
  - Dynamic Reports
  - Summary Reports
  - IRC Reports

## Standard Report

- A set of predefined reports which are widely used to analyse accidents
- There are 60+ predefined standard reports in RADMS classified into different categories



The screenshot displays the 'Reports >> Standard Reports' interface. It features a 'Search Criteria' section with fields for 'From Date' (09/03/2008), 'To Date' (09/03/2009), 'District' (a dropdown menu), 'Police Station' (a dropdown menu), and 'Report Format' (a dropdown menu). Below this is a 'Report Tree' section showing a hierarchical list of report categories and their counts: Reports(13), Collision Type Reports(2), Driver Reports(3), Person Reports(4), Vehicle Reports(9), Road Reports(5), Yearly Reports(4), MoRTH Reports(18), General Reports(8), Alcohol Usage Reports(3), Time Period Reports(2), Landmark Reports(1), Weather Reports(1), and Enforcement Planning Reports(6). On the right side of the report tree, there are links for 'Filter Reports' and 'Display All'. At the bottom right, there is a 'Batch Reports' button.

## Dynamic Report

- RADMS has a dynamic reporting feature that allows creation of unlimited user defined reports
- The user will be able to create user defined reports by defining the row and column parameters
  - The parameters can be selected from any of the ARF fields entered
- The user can also save this report structure and use it later

## Dynamic Reports

**Reports >> Dynamic Reports**

**Generate Report** | User Defined Reports

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**Filter Criteria**

From: 13/10/2008 To: 13/10/2009 District: Select----- Report Format: Select-----

---

**Row Details**

Category: General Details

Selected Row Category:

General Details.Contributory Factor  
General Details.Accident Severity

Accident Cause  
Accident Severity  
Attendance of Police  
Carriageway Width  
Central Divider  
Collision Description  
Collision Type  
Contributory Factor  
Date  
Day of Accident  
District

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**Column Details**

Category: Driver Details

Driver Injury Type  
Driver Occupation  
Hospitaliation Mode - Driver  
Hospitalization Time - Driver  
License Type  
Mobile Phone Used  
Nature of Injuries - Driver  
Owner/Paid Driver

---

**Output Parameters** ☒ Number of Accidents ☐ Passenger Casualty ☐ Pedestrian Casualty ☐ Driver Casualty ☐ Total Casualty

**Save** **Report** **Graph** **Clear**

## Summary Report

- Generates a summary of all the accidents that are retrieved from the system as a result of a search, query or an analysis.
- Details of the accidents which should be included in the report can be selected.

**Reports >> Summary Report**

**Filter Accidents** Search

District: Pudukkottai

Police Station: Alangudy

Accident Severity: All  
Fatal  
Grievous injury

From Date: 01/01/2009

To Date: 04/05/2009

Filter Clear

Select Table Name: Vehicle Details

**Select Report Conditions**

Chassis No  
Color  
Engine No  
Fitness Certificate  
Insurance Company  
Insurance Expiry Date  
Insurance No  
Load Type  
Permit Number  
Registration No  
Skid Length  
Speed Limit  
Tyre Burst  
Vehicle Damage  
Vehicle Defect  
Vehicle Make  
Vehicle Manoeuvre  
Vehicle Model  
Vehicle Type  
Year Of Manufacture

>>>

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**Report Conditions**

Section Of Law  
FIR number  
Hit and Run  
Seatbelt\_Helmet  
Injury Type  
Load Type

**FIR Nos**

11  
22  
2234  
344  
3463425623  
36343453  
430  
675/96  
76576778

Total accidents found: 17

<<< < 1 2 > >>>

Print



## IRC Report

- A set of predefined reports which are widely used to analyse accidents by the Indian Road Congress
- There are 19 predefined IRC reports in RADMS classified into different categories

Reports >> IRC Reports

**Search Criteria**

From Date \* 13/10/2008 To Date \* 13/10/2009 Report Format \* Select-----

District All Police Station All

**IRC Reports**

☐ All

- ☐ Accident classified according to Details of Drivers of Vehicles
- ☐ Accident classified according to Type of Persons and Animals Killed/Injured
- ☐ Accident according to Severity of Accident and No. of Vehicles and Person
- ☐ Accident according to Month
- ☐ Accident classified according to Road Features
- ☐ Accident classified according to Location
- ☐ Accident according to Weather Conditions
- ☐ Accident classified according to Type of Vehicles and Objects Involved
- ☐ Accident classified according to Age of Vehicles
- ☐ Accident classified according to Nature of Accidents
- ☐ Accident classified according to Causes
- ☐ Accident classified according to Type of Manoeuvre
- ☐ Accident classified according to Responsibility of Driver
- ☐ Accident classified according to Particulars of Vehicles Involved
- ☐ Accident classified according to Age of Persons Other than Drivers Involved in Accidents
- ☐ Accident classified according to Classification of Road
- ☐ Accident classified according to Road Condition
- ☐ Accident according to Junction Type and Traffic Control
- ☐ Accident classified according to Type of Area and Time

**Generate Report**



# Thank You