



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Caminos  
अन्तरराष्ट्रीय सड़क संघ



# RADaR

Scientific and  
Precise Accident  
Data Collection

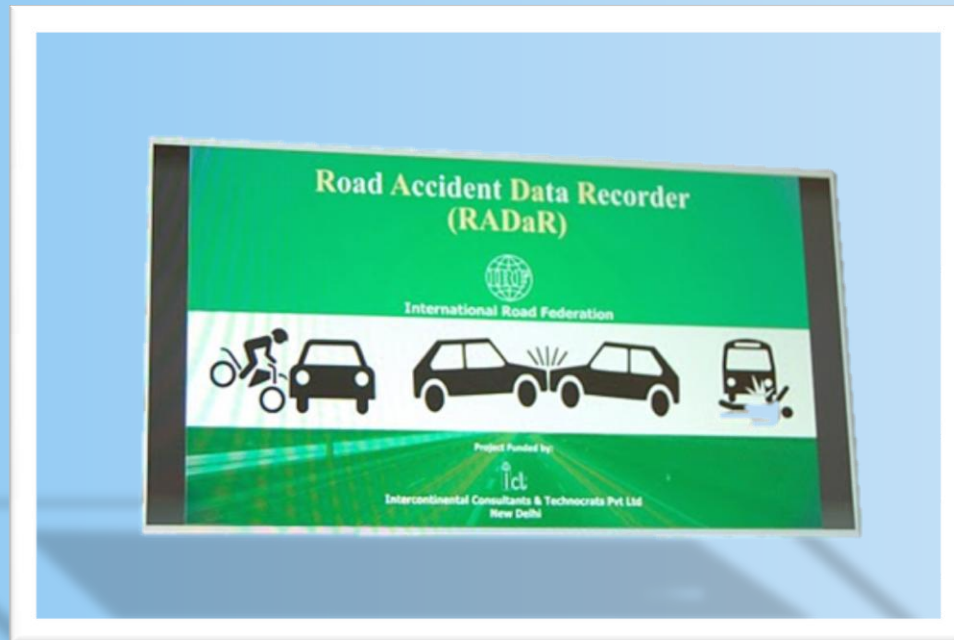


# Road Accident Data Recorder

by  
**IRF**



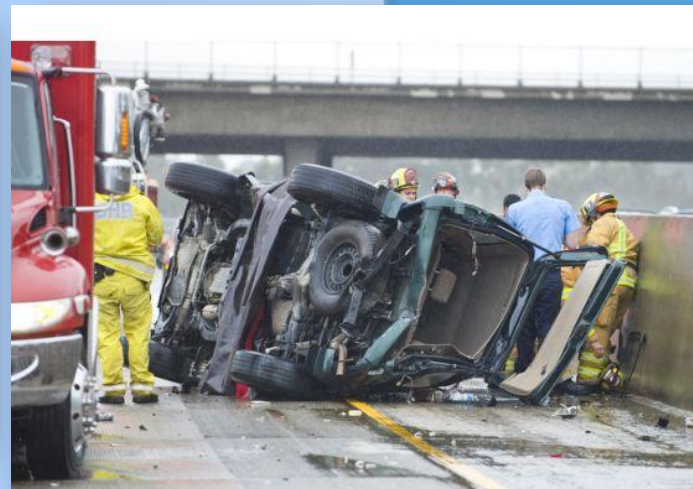
**Software application  
that helps traffic police  
collect accident data  
to determine the cause of  
an accident.**



**What  
is  
RADaR?**

**To determine exact cause  
of road accident  
and  
identify where design of  
counter measures are  
needed**

**Why  
Crash  
Data?**



# Features of RADaR

- User friendly software for tablets on ANDROID.
- GPS/GPRS to record crash location and transmit data to central server.
- Pull-down touch screen menus.
- Takes photographs or video of crash scene.
- Records crash site on google network map.
- Menu-driven recording of road layout of crash site and collision type.

# Example: Opening Menu



Road Accident Data Recorder(RADaR)

**File New Record**

**Search Records**

**Manage Database**

# Example: Accident Location



15:04

## Road Accident Data Recorder(RADaR)

FIR No.	Police Station:	Sections of Law:	Northing
<input type="text" value="Enter FIR No."/>	<input type="text" value="not available"/>	<input type="text" value="Enter secti..."/>	<input type="text" value="Northing"/>
State:	Location:	Road No.	Easting
<input type="text" value="Andhra Pradesh"/>	<input type="text" value="Enter accid..."/>	<input type="text" value="Enter road ..."/>	<input type="text" value="Easting"/>
District:	Day of Accident	Date of Accident	Time of Accident
<input type="text" value="Adilabad"/>	<input type="text" value="Monda"/>	<input type="text" value="Enter date ..."/>	<input type="text" value="Enter time ..."/>
Name of City/Town/Village:	Chainage	Date of Record	Time of Record
<input type="text" value="not available"/>	<input type="text" value="Enter Chai..."/>	<input type="text" value="Enter date ..."/>	<input type="text" value="Enter time ..."/>
Nearest Landmark:	Road Type	Nearest landmark distance.:	
<input type="text" value="Enter nearest landmark"/>	<input type="text" value="Expressway"/>	<input type="text"/>	

# Example: Accident Details



15:05

## Road Accident Data Recorder(RADaR)

### Details Of Accident

Number of vehicles involved:

Number of vehicle involved

Accident severity

Fatal

Number of persons killed:

Number of persons killed

Collision Type

Pedestrian

Number of persons injured:

Number of persons injured

Sub-Type



Emerging from footpath

Driver Killed:

Yes

Hit And Run

Yes

Driver injured:

Yes

Road Character

Hill+Valley

# Example: Conditions



15:06

## Road Accident Data Recorder(RADaR)

Number of persons injured



Emerging from footpath



Driver Killed:

Yes



Hit And Run

Yes



Driver injured:

Yes



Road Character

Hill+Valley



## Accident Site Road Layout

Road Layouts:

Intermediate/Single Lane



Weather

Clear/Fine



Sub-Type

Single/Intermediate lane  
Straight Section



Light Condition

Daylight



# Example: Vehicle



15:06

## Road Accident Data Recorder(RADaR)

VEHICLE

Loading

Properly loaded



Vehicle Registration Number

Vehicle registration number

Vehicle Defect

None



Vehicle Type

Motorcycle



Vehicle Manoeuvre

Going straight



DRIVER

Name:

Enter name

Possible Driver Error

None



Father's/Husband's Name:

Enter father's/husband's name

Driver Injury

Fatal



# Example: Injured

15:07

## Road Accident Data Recorder(RADaR)

Injured/Killed Pedestrians

Name

Enter name

Complete Table using codes from bottom panel

Age

0-5

Address

Enter address

Injury

Fatal

Father's/Husband's Name

Enter father's/husband's name

Pedestrian Location

On Pedestrian Crossing

From Vehicle No.V1,V2 or V3

No Vehicle added

Pedestrian Action

Standing

Sex

Alcohol Influence

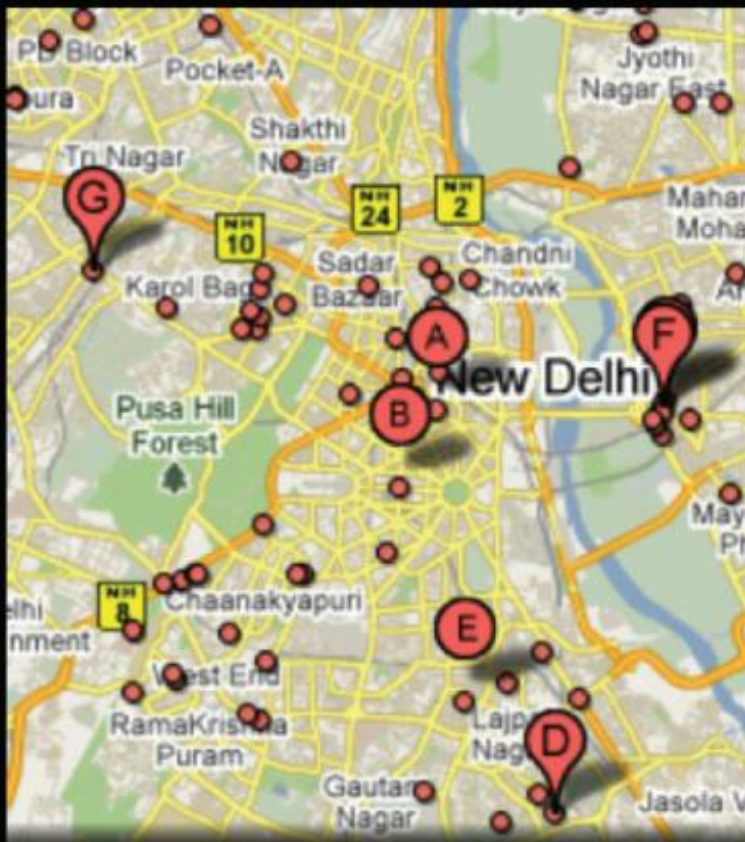
Not suspected

# Example: Location - Camera



Road Accident Data Recorder(RADaR)

Find your Location



Start Camera



# Example: Search data files

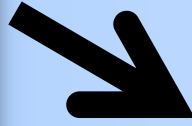
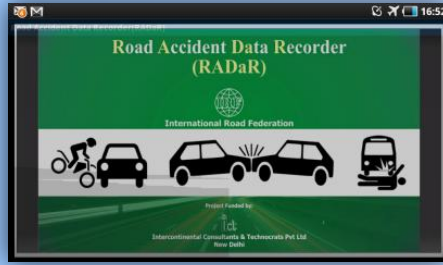


Road Accident Data Recorder(RADaR)

FIR No.	Name	Date of Accident	
<input type="text" value="Enter FIR No."/>	<input type="text" value="Enter Name"/>	<input type="text" value="Enter Date of acci..."/>	<input type="button" value="Search"/>

# RADaR

Police



Server



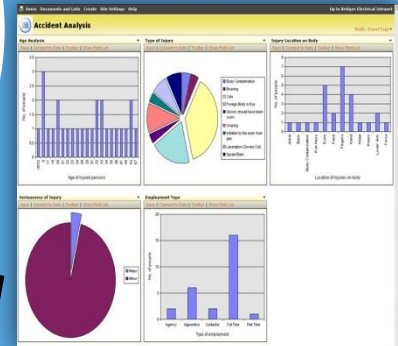
# How does RADaR work?



Emergency



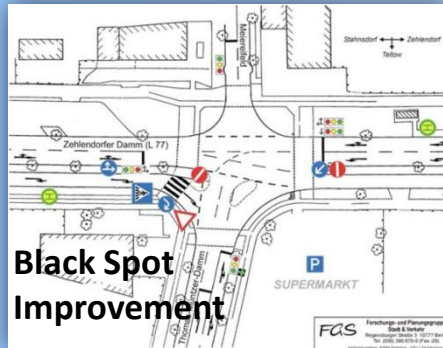
Motor Insurance



RADMS



Law Enforcement



Black Spot Improvement

# Benefits of RADaR

- **Traffic Police** – speedy and reliable data collection and automatic FIR generation.
- **Road authorities** – data help analyse the accidents cause, and design engineering measures to provide safer road layout.
- **Insurance companies** – the data help settle claims faster and assist in research for future insurance reforms.
- **Health authorities** – location identification helps speedy intervention of emergency vehicles and data helps report injuries and identify patterns.

**Order Now!**  
**[www.irfnet.ch](http://www.irfnet.ch)**

**Road  
Accident  
Data  
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**by  
IRF**



**RADaR**

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