




MUNICIPALIKA 2008
Making Cities Work
31 Jan - 2 Feb 2008 • Mumbai, India
MMRDA Grounds, Bandra-Kurla Complex

CS 11

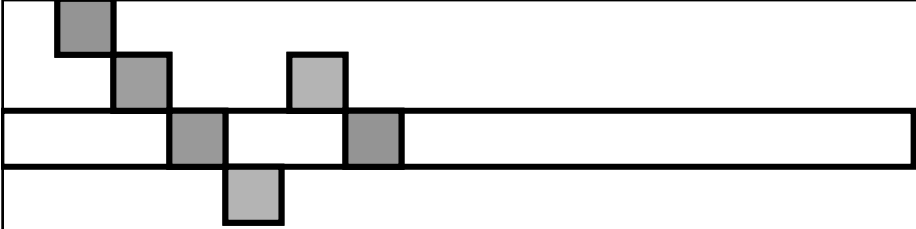
E-Governance and IT Applications in Municipal / Urban Management and Services

Date: 2 February 2008

Time: 09.30-11.30

Chair	Shri.S.R.Rao Principal Secretary, Department of Urban Development, Government of Gujarat
Presenter	Shri. Raghav Chandra Principal Secretary, Urban Administration & Development, Govt. of Madhya Pradesh
Presenter	Shri.T.K.Jose Secretary, Government of Kerala
Presenter	Shri. Suresh Chanda Commissioner, EDS, Department of IT, GoAP
Presenter	Shri. Manu Srivastava Addl Municipal Commissioner, MCGM
Presenter	Dr. S.Subramanya Municipal Commissioner, BBMP
Presenter	Shri. Rajiv Prakash Saxena DDG, NIC, Government of India
Presenter	Shri Krishnan Kunal Chief Executive Officer, Jodhpur Municipal Corporation
Presenter	Shri. S.V. Subba Rao General Manager, Business Development, Ram Informatics Ltd
Presenter	Shri Prakash Rane MD, ABM Knowledge ware Ltd., Mumbai
Presenter	Shri. Veerendra Jamdade CEO, Vritti Solutions, Pune
Presenter	Shri. Waghmare City Engineer, Pune Municipal Corporation






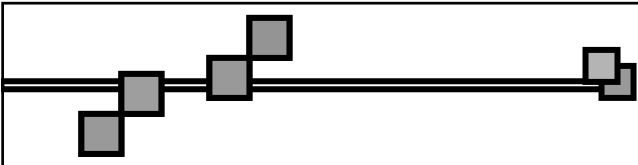
IT in Disaster Management

Presentation by
Veerendra Jamdade
CEO
Vritti Solutions Limited

9, Continental Park, Opp Karve Statue, Karve Road, Kothrud, Pune – 411 038.
Phone: +919890156056
Veerendra.jamdade@vritti.co.in
www.vritti.co.in


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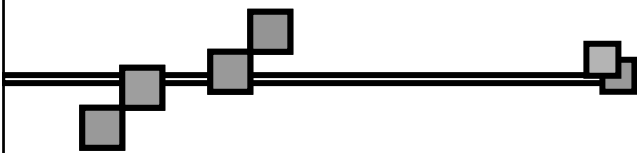


About the presenter

- Veerendra Jamdade
 - CEO Vritti Solutions Limited
 - 19 years experience in IT
 - eGovernance domain expertise
 - Worked on Pune District Disaster Management project


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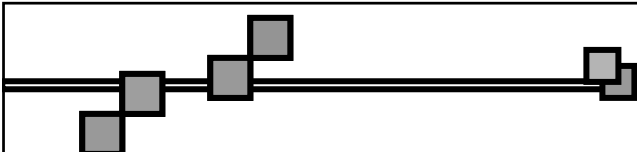
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Objective


- Describe use of IT in Disaster Management Process
 - Preparedness
 - Warning
 - Feedback & Support
 - Assessment
 - Rehabilitation

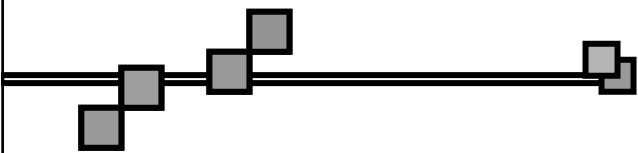
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Technologies Available


- Internet
- Desktop applications
- Hand held devices & mobiles
- Satellite phones
- Geographical Information System (GIS)
- Interactive Voice Response (IVR)

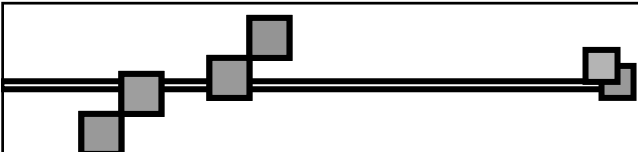
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Preparedness


- Resource inventory
 - Internet application
 - Access to Government organisations at all levels
 - Distributed collection of resource inventory
 - Responsibility of updating inventory with local authorities
 - SMS, e-mail alert for updating at pre-defined period interval.

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Warning

- Desktop application
 - Identify affected area and people (GIS)
 - Fast retrieval for contact list
 - Automated mass SMS system
 - IVR system
 - Authentic information dissemination

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Feedback & Support

- Desktop application
- Basic Action plan based on SOP
- Additional action based on feedback
- Resource search (Text and GIS)
- Communication to resource
- 2W SMS/MMS integration

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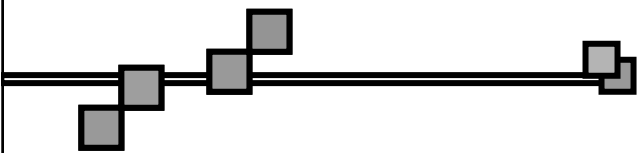
Assessment

- Desktop/Web application
- Distributed data collection
- Compilation of data in the server
- Consolidated report generation

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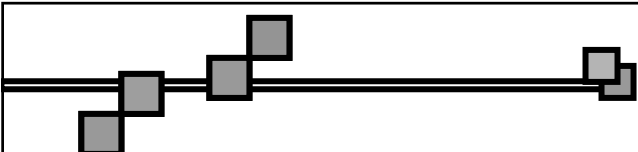
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Rehabilitation


- Desktop/web application
- Submission of rehabilitation needs
- Consolidation of needs
- Distributed data collection


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Benefits


- Structured approach to handle panic situations
- Optimum resource utilization
- Authentic information availability at every level
- Correct decision making in presence of right information

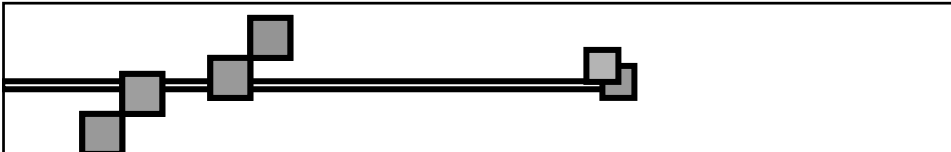
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Ultimate benefits


- Life savings
- Wealth savings

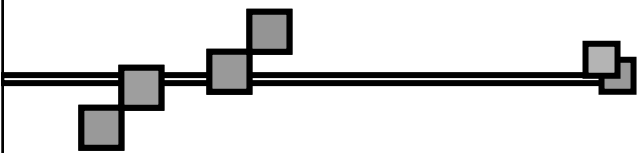
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Technology Selection Consideration


- Tool shall work in limited internet connectivity and power conditions
- Applications shall work in offline mode
- Redundancy of communication methods

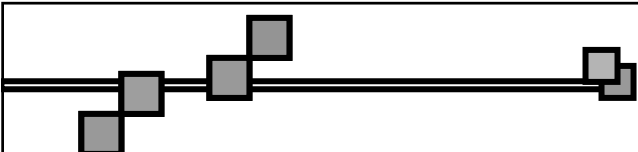
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Recommendation


- Web based or distributed desktop application for data collection.
- Choose software which works in offline mode.
- Intuitive and Simple to operate.
- Multiple communication channels must be available.

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Acknowledgement

- Pune District Collector
- Pune RDC
- Pune Disaster Management Project Office.
- UNDP

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Spatial and Temporal Variations of NOISE LEVELS IN MUMBAI using GIS and Remote Sensing Techniques

A case study of Metropolitan Cities of India

Dr. Lakshmi Vyas

Principal

& Head, Geography Department

Elphinstone College

Noise Pollution is a serious menace in most cities, due to which highly sensitive people suffer silently. Rightly, Noise is said to be "silent killer" as there is no immediate damage done to the body like when one inhales bad air or drinks contaminated water. However, the noise waves slowly and steadily may destroy delicate cells of ears and brain causing an irreparable loss of hearing and other problems.

To study the distribution of noise pattern in Mumbai on a temporal and spatial framework, massive database was created by primary field survey. Using more than 200 survey points, isodecible maps were prepared for the city of Mumbai. These maps were superimposed on landuse, vegetation, and other attributes using satellite imageries. For air quality, isoline maps of MMRDA prepared on Arc Info are used. The maps are prepared by using GIS techniques like Map info, Autocadd and Arc view. Several overlays of vegetation, relief, population density, landuse, traffic corridors and air quality is attempted in this paper along with analysis and concluding notes.

The paper highlights the fact there are several pockets of high noise in the city, which can increase the stress levels by releasing adrenal hormones. Exposure to continuous noise levels like in traffic signals, near flyovers, etc can be very damaging to the nervous system causing irritation, anger, lack of concentration, poor mathematical skills, poor language development, cardiac problems etc. The paper will also touch upon 'what you can do' to save the situation.