FUTURIONIX AI

COMPANY PROFILE

About Us

PIONEERING AI FOR A SMARTER FUTURE

Futurionix AI Systems Pvt. Ltd. is a forward-thinking AI technology company committed to revolutionizing how public systems operate. We develop and deploy intelligent, data-driven solutions that empower urban infrastructure, streamline operations, and enable real-time decision-making.

Founded by a team of technologists, data scientists, and industry experts, we specialize in delivering tailored AI systems that help businesses, governments, and communities become more efficient, data-driven, and future-ready.

Whether it's transforming public services, optimizing supply chains, or enhancing customer experience, we help clients unlock the full potential of AI -securely and responsibly.

Our Vision

To be a global leader in responsible AI innovation, shaping a world where intelligent technology empowers every organization to serve better, grow smarter, and operate ethically.

Our Mission

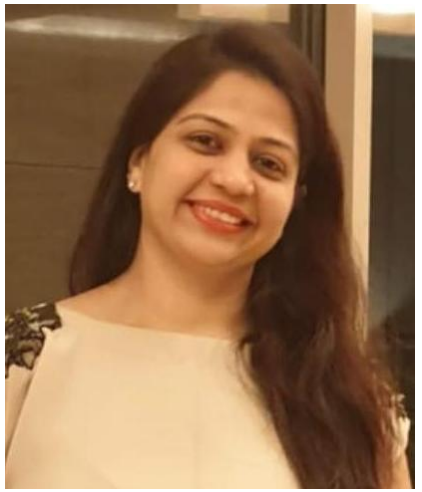
To deliver AI solutions that are accessible, impactful, and aligned with human values-driving measurable outcomes across both public and private sectors.

Our Team

DIRECTOR

Alok Joseph

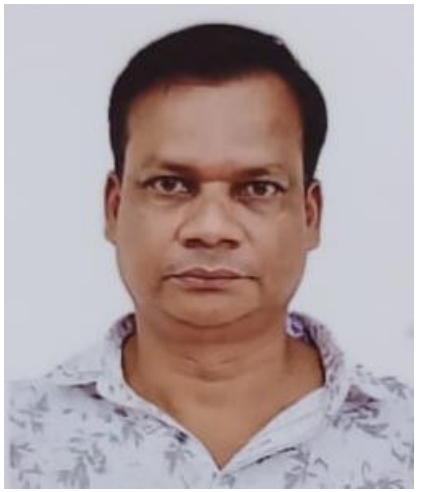
Visionary and results-driven with over 25years of leadership experience across various sectors, e.g., technology, finance, and manufacturing.



DIRECTOR

Maansi Sheth

Skilled in analyzing business needs, and executing strategic initiatives that enhance efficiency and profitability.



TECHNICAL HEAD

Anand Ambedare

Seasoned and experienced in leading technical teams, driving innovation, and delivering complex technology solutions.

AI Solutions

Smart Public Safety and Emergency Response System

Introduction

Urban environments face escalating challenges related to crime, emergency response delays, and public safety threats.

Implementing a Smart Public Safety and Emergency Response System will transform urban safety by combining AI, IoT, and centralized communication.

The proposed model ensures a safer city, optimizes resources, and empowers authorities and citizens alike for a resilient, future-ready public safety framework.

Objectives

Enhance public safety
Reduce crime rates
Optimize resources
Foster transparency and citizen engagement

Key Components

- **AI-Powered Surveillance**
- **IoT-Enabled Sensors**
- **Integrated Command & Control Center**
- **Geospatial and GPS Integration**
- **Rapid Emergency Communication**
- **Cyber security Framework**
- **Disaster Early Warning**

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AI Solutions

Smart Waste Management System

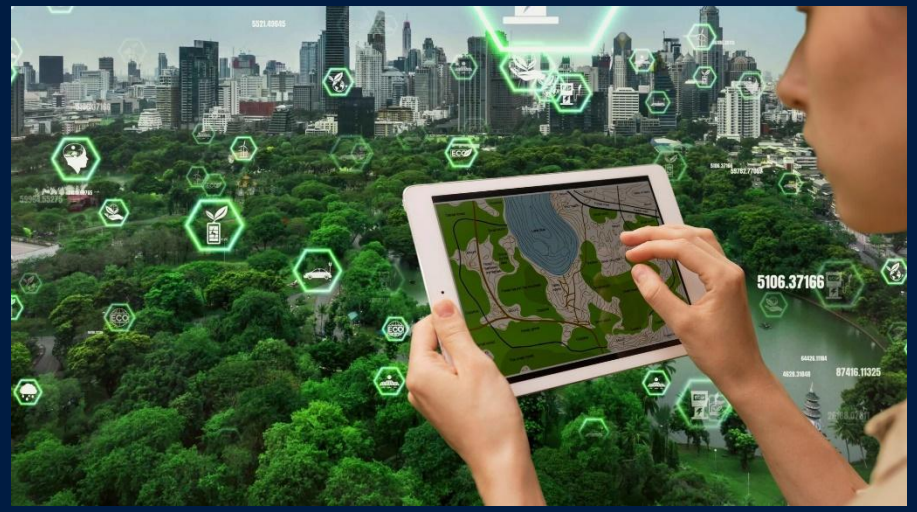
Introduction

Rapid urbanization has heightened the need for efficient and sustainable waste management in cities. Traditional waste collection methods often result in overflowing bins, inefficient routes, and increased operational costs.

To address these challenges, a Smart Waste Management System utilizing IoT sensors, advanced analytics, and data-driven operations is proposed for modern urban environments.

Objectives

Enhance collection efficiency
Reduce operational costs
Improve urban cleanliness
Enable data-driven decisions
Promote environmental sustainability



Key Components

- **Sensor-Enabled Smart Bins**
- **Route Optimization**
- **Central Monitoring Platform**
- **Analytics & Reporting**
- **Citizen Engagement**

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AI Solutions

Automatic Challan Generation for Overloaded and Over-Sized Vehicles

Introduction

Overloading and over-sizing of vehicles are major causes of road infrastructure deterioration, safety hazards, and revenue leakage.

To address these challenges, we propose an advanced, automated system for real-time detection and automatic challan generation for overloaded and over-sized vehicles using a combination of AI, sensor technologies, and real-time analytics to improve compliance, road safety, and administrative efficiency.

Objectives

Automate detection and penalization process
Enhance transparency and operational efficiency
Improve road safety
Protect infrastructure
Enable data-driven decision-making

Key Components

- **Weigh-In-Motion Sensors**
- **LIDAR Sensors & CCTV Cameras**
- **License Plate Recognition**
- **Automatic Challan Generation**
- **Dashboard & Reporting**

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AI Solutions

AI-Driven Transformer Health Monitoring and Failure Prediction System

Introduction

Presently, transformer health monitoring relies heavily on Dissolved Gas Analysis (DGA) sampling data.

By introducing a novel AI-driven time series forecasting approach, it has an ability to interpret DGA gas values between irregular sampling intervals, providing insights at finer time resolutions (e.g., weekly or daily).

Predicts potential breaches of threshold values, enabling proactive fault prediction and maintenance scheduling.

Objectives

Predictive Maintenance
Early Warning System
Transformer Health Indexing
Gases Progression between two sampling intervals

Key Components

- **Integrated Dashboard**
- **Transformer Failure Forecasting**
- **Threshold Breach Alerts**
- **Downloadable Reports**
- **Historic Data Visualization**
- **Customizable Plugins**

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Web Portal

Bomb Blast Case Study and Centralized Web Portal

Introduction

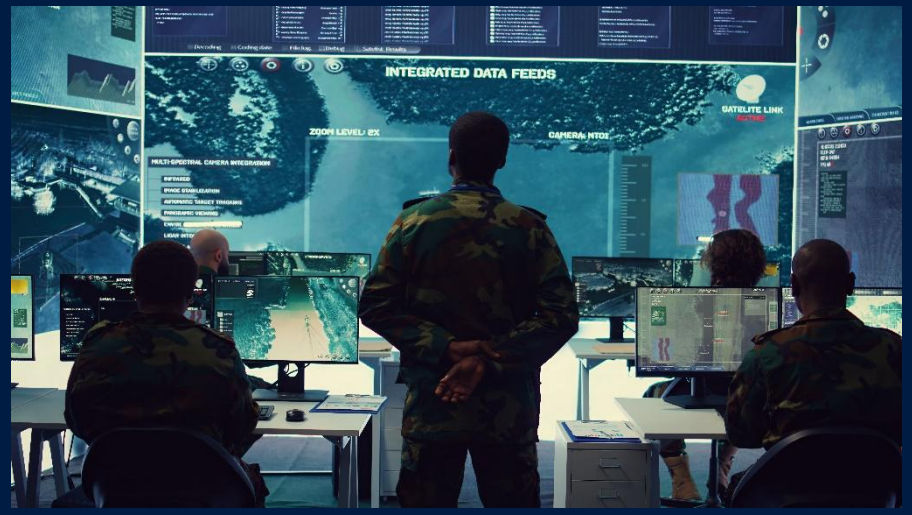
A centralized web portal acts as a digital nerve center for prevention, detection, response, and recovery in the context of bomb threats or blasts.

Focuses on analyzing real bomb blast cases:

- Studies how, why, and what happened — identifies causes, security lapses, and impact
- Develops a centralized web portal for Manual entry and tracking

Benefits

Improved Investigation Efficiency
Data-Driven Decision Making
Stronger Intelligence Network
Faster Emergency Response
Enhanced Public Safety
Technological Integration



How It Helps?

- **Strengthens Counter-Terrorism in Tourist Zones**
- **Centralized Quick-Response Database**
- **Coastal Security Integration**
- **Cross-State Intelligence Sharing**
- **Efficient Disaster Management**
- **Policy Making & Officer Training**

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Thank You

Futurionix AI Systems Pvt. Ltd.

We harness the power of Artificial Intelligence to solve real-world challenges across industries and sectors.

wwww.futurionixai.com

Nagpur, India