BHADALE GROUP OF COMPANIES - IT AND REAL ESTATE

March 24 2019

Aviation industry programs Catalogue

Bhadale Group of Companies

Bhadale Group of Companies consists of Bhadale IT Developers Pvt. Ltd and Bhadale Real Estate Developers Pvt Ltd.

1. **Bhadale IT Developers Pvt. Ltd** is an IT and Computer Engineering company

   This company provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. **Bhadale Real Estate Developers Pvt. Ltd** is a Real estate company

   This company provides development of Infrastructure for IT Datacenter and allied sectors. It manages the engineering design, landscaping, civil architecture, presently serving internal projects.

Bhadale Group of Companies has aggressive programs in place to serve the niche market.

Bhadale IT Developers Pvt. Ltd Programs and Services

IT Division programs

1. Cloud Architecture
2. AI
3. Digital
4. Automation
5. R&D services
6. Engineering services
7. Mentoring Services
8. Data center services
9. Outsourcing

There are various services offered under each program, details are described below

IT Division program related services

Cloud Architecture

- Cloud Enterprise Architecture
- Cloud Business Architecture
- Cloud Information / Website data Architecture
- Cloud Solution Architecture
- Data center Virtualization and Cloud services (IaaS)
- Cloud Technical Architecture – Project specific
- Cloud ERP Solutions (SaaS, PaaS)
- Cloud Strategy and Transformation
- Cloud Systems Integration and consolidation
- Cloud Project Management
- Cloud Pre sales support
- Business Needs (RFI/RFQ/RFP assistance)
- Cloud Quality Initiatives

- Cloud Business Analysis
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)
- Cloud business portfolio assessment services (workshops)

AI

- Artificial intelligence and advanced machine learning
- Intelligent applications, Intelligent things
- Conversational systems
- Mesh app and service architecture
- Adaptive security architecture

Digital

- Virtual reality and augmented reality: Brief capability, deliverables and service offering
- Digital twins
- Blockchains and distributed ledgers
- Digital technology platforms

Automation

- Robotic Process Automation
- IoT
- Manufacturing robots
- BPO call center robots
- Chatbots
- Remote workers
- Hazarders jobs robots(Mine bombs, nuclear waste, underwater, space etc)

R&D services

- PHD mentor, buddy
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering

Engineering services (Only Engg)

- Engineering services for Data centers
- Engineering services for IT Departments
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling

Mentoring Services

- IT Mentoring
- Engineering Mentoring
- Business Mentoring
- Mentoring for specials categories based on age, and disabled
- Mentoring for special professionals like Military and Govt. officials under Govt. Programs

Data center services (Engg + IT)

- Data center Engineering services
- Data Center IT Services
- Data center Security services
- Data Center QA services
- Datacenter Cloud services
- Datacenter compliances services
- Data center based business solutions

Outsourcing

- Insourcing
- Outsourcing
- Near sourcing
- Cloud sourcing
- BPO services
- IT specific services
- Engineering specific services
- Training specific services

Service details for Bhadale IT and Engineering (multi –disciplinary) Pvt. Ltd

Programs – for the Aviation industry

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Catalog of services offered for the Aviation sector

Service No	Program Name	Services offered
1	**Smart Flight safety**	Use of on board vigilance, satellite data, intelligence, IATA, and Govt. data to process enormous amount of big **data and correlate events** and health of aircraft (confidential aircraft data) in predicting risks associated with each flight and steps to minimize them beforehand by way of bug fixes, loose wires, and any configuration changes. Pilots can order local ground stations to do **real time computation** before maneuvering aircraft that might result in a crash Use of **machine vision**, computer vision, 3D graphics, Virtual reality, mixed reality for cockpit projections for better pilot's beyond-sight vision that helps him/her to maneuver the plane to a safe state We offer designs for suitable reference of **passengers' awareness** in areas of **flight safety**, seat belts, oxygen masks, and what to do /not to do in times of emergencies will be displayed on their personal screens all the time with possible links to more information

2	Smart Passenger Travel	We leverage the disruptive technologies to enhance the visibility, and traceability of the passengers' travel that can make their journey at ease
		Virtual reality/mixed reality can help passengers to enrich their in-flight activities and preparing for their next flight or city travel, **live guides** with VR is possible to enhance the travel experience
		By gathering and **analyzing near-real-time data** about relevant bus, train, airplane, and taxi as per individual passenger's preferences and requests, we offer them an integrate view of the available transportations for their onward journey. With this intelligence, we make every traveler's journey easier and **personally-tailored user experience**
3	Smart Fleet maintenance	**Intelligently connected** flights, planes, ground crew and towers along with the company owners, managers and engineers all help the safety and proactive maintenance of the aircrafts. **In-time analysis** of the issues, historical solutions, spare parts, and having virtual assistants to offer solutions for the complex situations leads to better maintenance
		By gathering and feeding data into analytics engines in near real-time will allow us to compute **optimal predictive maintenance** strategies. These help the fleet managers with data and ensure increased reliability, lower costs, and allowing managers to focus more on other productive matters
4	Smart Digital Twins	We offer solutions based on the **key data points** available from the manufacturing phase of the engine. We build a **digital model** that tracks and monitors an asset in real-time, providing essential information throughout an asset's lifecycle such as engine temperature, pressure, and airflow rate. We also use AI / ML models to offer **predictive forecasts** of the engine performance
		Digital twins, a state-of-the-art method of monitoring engines when in use, will help airlines achieve the desired aims of **time to find issue**, time to report, and **time to fix** based on the performance of its twin in the laboratory
5	Smart ticketing / cargo tracking / delivery	Assists passenger, freight forwarders, exporters in availing from a vast list of clearance systems and **personalize the selection process**
		Analysis of vast datasets of international fleets and domestic travel agents and private agencies, we choose and offer you **better tickets** that take you to your destination as per your needs and also track your transit luggage, cargo shipments to ensure they reach the final destination safely

For further details, please contact:

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