BHADALE GROUP OF COMPANIES - IT AND REAL ESTATE

March 23 2019

Agriculture sector programs Catalogue

Bhadale IT Developers Pvt. Ltd | Bhadale Real Estate Developers Pvt. Ltd (registration due)

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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 Agriculture sector

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Catalog of services offered for the Agriculture sector

Service No	Program Name	Services offered
1	Smart Agriculture Farm safety	Use of domestic vigilance, satellite data, intelligence, Govt. data to process enormous amount of big **data and correlate events** and health of farm in predicting risks associated with each season, day and steps to minimize them beforehand by way of warning of bug attacks, heavy rains, snow, frost and ice Use of **AI / ML** , and vast amounts of world wide data scanned by our AI Agents will ensure every crop that is grown either in house of in open, both have services of the expert systems that we design for your farms. We offer conventional and advanced features, tools, electronic devices that keep rodents, elephants, and other wild animals away from your farm. This is a macro level assistance at farm level
2	Smart Agriculture Crop safety	We propose leveraging the disruptive technologies to enhance the visibility, and traceability, tolerance of the crops and soils suitability of the season. We design AI based **computer vision** and deep-learning algorithms to process data captured by **drones** and/or software-based technologies to monitor crop and soil health for each season and for each day based on configuration

3	Smart Agriculture farming	Design of total end to end farming system using "**precision farming**" principles and its key components that combines remote sensing, IoT devices, robotics, big data analytics, artificial intelligence, and other emerging technologies into an integrated high-resolution crop production system. Ideally suited for farmers seeking advanced technologies and have time to learn and adapt to new age farming. We help farmers to learn right from the basics to remote management of the farms from a web portal**.**
4	Smart Agriculture processing	Use AI for **sorting of products** based on International grades like A, B and C. Use of AI cameras, Near Infra-Red (NIR) spectroscopy, x-rays, and lasers to measure and quickly **analyze every aspect of the product** as it moves along the processing belt Use of AI in packing, and seeking at the cleanliness of the process in a safe monitored lab type environment. For **assured cleaning** of the production units, ultrasonic sensing and optical fluorescence imaging technologies are use to feed information to an AI program to monitor the amount of food and **microbial debris** in the equipment. Analysis of the biological content post cleaning of the equipment is checked to see if it safe to repeat the process
5	Smart Agriculture storage	We help farmers in adopting **post crop harvesting techniques** that leverage upon electronic weights, better packing as per International standards, design of suitable storage units that pass ISO/ ISI/ Agmark / FDA and related **food grade standards**. We assist in modernizing the cold storage, transportation, process improvements and to gain more visibility and boost shell life of their products. We use unique gadgets and methods that help **reduce oxidation** and use of modern electronic processing like electric flash, dry freezing, semi processed storage of fruits and vegetables. We follow on the **international standards** and use suitable records and data to offer insights and predictions for the entire crop life cycle management

For further details, please contact:

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