BHADALE GROUP OF COMPANIES - IT AND REAL ESTATE

April 23 2018

Azure R&D Services Catalogue-detailed

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 commercial, residential and farm based developments. It manages the renting and lease of the real estate properties

Bhadale Group of Companies has aggressive programs in place to serve the niche market. Below are the programs and service offerings for **IT Division**

Bhadale IT Developers Pvt. Ltd Programs and Services

IT Division programs – specific to Microsoft Azure technologies

1   Cloud Architecture- Azure Cloud
2   AI – Azure AI and ML
3   Digital – Azure Digital Enterprise platforms
4   Automation - Azure automation
5   R&D services- Azure research areas
6   Engineering services – Azure engineering board reviews, audit, diagrams, approvals
7   Data center services – Azure datacenter setup
8   Outsourcing – Outsource your Azure jobs like remote help, tutor

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

IT Division program related services

Cloud Architecture – Microsoft Azure specific

- Cloud Enterprise Architecture – Azure Enterprise platform / frameworks, & processes
- Cloud Business Architecture – Azure business tools, & frameworks
- Cloud Information / Website data Architecture – Azure webapps/ mobile apps, Bing maps, & Sharepoint website design
- Cloud Solution Architecture – Azure Solutions as per your needs
- Data center Virtualization and Cloud services (IaaS) – Hyper-V, Containers, Desktop/ Network, & Storage virtualizations
- Cloud Technical Architecture – Project specific – Best practices , design patterns based on MSDN
- Cloud ERP Solutions (SaaS, PaaS) – Office365, CRM, ERP packages , & integration
- Cloud Strategy and Transformation – Workshops, roadmaps and strategy
- Cloud Systems Integration and consolidation – Salesforce, Google, SAP, MS CRM , & LOB systems
- Cloud Project Management – Agile, TFS, Scrum templates, & PMP based techniques

- Cloud Pre sales support - Assist in design of material for presales deals, bid documents, & client meetings
- Business Needs (RFI/RFQ/RFP assistance)- Documents with Azure and alliances specific details for inventory, pricing, RoI, & Management
- Cloud Quality Initiatives – SLA, OLA, performance, cost optimizations, Corporate standards, ethics, & values
- Cloud Business Analysis – Analysis as per BABOK and MSFT/ partner tools for BA
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)- Datacenter IT systems design, provisioning, commissioning and planning for future growth
- Cloud business portfolio assessment services (workshops) – Assess, enrich and support your portfolio of services as related to Azure and allied technologies

AI Azure

- Artificial intelligence and advanced machine learning - Azure AI Compute, Data science, Azure ML , Cognitive intelligence, AI Infra, AI tools and AI Services platform , & Deep Learning
- Intelligent applications, Intelligent things - Azure AI for IoT , & DataLakes
- Conversational systems – BOT Framework
- Mesh app and service architecture – Azure Service bus, Azure Service fabric, Micro-services, Smart grid, Gateways, & Enterprise Integration
- Adaptive security architecture- Deep Learning and predictive analysis, forecasting using tools, & algos.

Digital –Azure

- Virtual reality and augmented reality: VR, AR and Mixed reality(MR) from Microsoft; Hololens for MR; VR headset, VR ready PCs, Unity SDK, & VR SDK
- Digital twins – Azure IoT , MSFT Cognitive platform, Big compute, Analytics, Mixed reality & related SDK
- Blockchains and distributed ledgers – Azure hosting, SQL/No SQL DB, Security, Bitcoin mining, serverless computing, BizTalk services, Business partner exchange, Integration with Accounting ERPs, I/O remittances, claims settlements, & AI based fraud detections.
- Digital technology platforms – Azure private/ public, hybrid clouds, Solutions, Cloud best practices, Ready to use base VM and Containers as per domain, business and industry needs

Automation - Azure

- Robotic Process Automation – Blue Prism intelligent automation powered by Azure AI
- IoT - Azure SaaS for IoT(IoT Central), IoT Edge, IoT Services, Windows 10 IoT, & SDK for Raspberry PI
- Manufacturing robots - IoT solutions for Manufacturing robots
- BPO call center robots – Runbooks based VM solutions for BPO domain for backoffice automation, AI based chatbots for CRM, RPA for form filling, taking orders, notifications, & help desk automation etc
- Chatbots –AI based chat bots with SDK, interfaces to CRM, Cloud, industry / domain specific interfacing with expert systems to offer clients better results, good search, filtering and rollups of results, & use of hadoop for unstructured content like voice
- Remote workers - Azure IoT hub, IoT Edge integration, wireless communications, control using mixed reality to accomplish the remote task, AI and ML to correct any errors and fatigue related omissions.
- Hazarders jobs robots(Mine bombs, nuclear waste, underwater, space etc) - Uses same technologies as remote worker, however will have rugged parts, fit for jobs in odd places like nuclear plants, fire, underwater, collapsed buildings and where humans dare to risk their life.

R&D services – Azure based

- PHD mentor, buddy - for thesis support projects using Azure technology
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering - mainly for offloading research work related to azure for cost effective valued added- returns

Engineering services (Only Engg) – for Azure solutions

- Engineering services for Data centers – Datacenter layouts based on business and Azure needs, Server engineering, cable layouts, rack provisioning, power cables, routing boards, patch panes, fans, motherboard systems engineering, failover mechanisms, fire, plant safety, fire exits, & backup power / UPS
- Engineering services for IT Departments - Private cloud installation needs of premise, IT equipments, hardware-software interfaces, admin consoles, emergency management, IT failure management, quality certification, hardware level security, OS hardening, network firewalls, & premise management
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc   - Datacenter external environment , landscaping, parking, restrooms, food court, licenses, audits, & approvals
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling – Civil bylaws, Electrical quality and proper metrics, levels, HVAC, waste water management, safety, workers laws, factory bylaws, corporate laws, fencing, & legality support

Data center services (Engg + IT) – for Azure

- Data center Engineering services – Same as above
- Data Center IT Services - IT software licenses for Azure OS, Windows, devices, SDK / tools, laptops, & server boxes
- Data center Security services – as per Microsoft recommendations, SDLC, threats, AI for preventive measures
- Data Center QA services- Certifications for datacenter like ISO, Green, & Energy saver
- Datacenter Cloud services – Provisioning of tenants for internal / external service offerings, SLA, OLA, metering, white labeling , custom domains, SSL, & cross- datacenter connectivity
- Datacenter compliances services- mainly related to audit, certification, & maturity management
- Data center based business solutions – assisting clients get loans, offer great service and obtain RoI in less time using various management and business techniques

Outsourcing

- Insourcing – Helping clients in in-sourcing of off-shored Azure operations and business units
- Outsourcing – help clients to reduce internal load and offloading to low cost centers
- Near sourcing – helps clients to gain max profit and benefits of other types of resourcing
- Cloud sourcing – Remote work done
- BPO services – using help desk, RPA, & Chatbot based automation
- IT specific services - Any client specific IT services as per request
- Engineering specific services – Offshored engineering works like drawing, layout planning, & security
- Training specific services – being part of your partner team, help clients to offer our   services to their local clients

Service details for Bhadale IT Developers Pvt. Ltd

IT Division programs – R&D Services – Azure

Image Courtesy (The web)

CATALOG OF Azure R&D Services - extension of generic cloud offerings adapted to Azure

Service No	Service Name	Services offered
1	**PHD mentor, buddy – using Azure**	**Thesis support projects using Azure technology**. These are based on **research framework**, guidelines as prescribed by top Universities / Institutes especially from US that have adapted Azure. We offer training, setup of Azure lab and your environment for starting you academic **research using Azure cloud platform**. Our services include analysis of your **research requirements**, getting you going along your MS/PhD Thesis title, abstract, preparatory work for your **thesis defense**, project work and documentation. We help you get through your abstract research ideas to a more realistic and concrete **original piece of work**. We identify the experimentation needs, tools, labs and get the necessary work quality to use quantitative and qualitative analysis for your thesis. We recommend you to use **anti-plagiarism tools**, reviews and proper citation and referencing (auto generation tools for citations in different styles like MLA). We will leverage on MS tools like MS office, Excel, ppt, outlook and azure based office and databases for your trials and hypothesis support projects Our recent work was providing buddy service to MS students from US/ Canada and EU.

| 2 | **BPO-** Outsourced work in areas of research areas related to IT and Computer Engineering – Azure projects | We **analyze your requirements**, budget, investment options your concerns related to data safety, research value-add, realistic product fit for production and any show stopper that will risk your investment

We handle outsourced work in areas of research areas related to IT and computer engineering as scoped to Microsoft products and MS Azure. - mainly for offloading research work related to azure for cost effective value added- returns

Our services include assisting you in setting up of **Azure based Captive R&D center** in our local tier-2 cities, assisting you in investing in right location, use of right tools, skills, talent and center management like trade licenses, offsite development, GST, research unit setup and complying with prevailing rules and laws.

We offer **research assistance, research lifecycle management**, managing the **off-shored research work** by way of working on to-be-**patented technologies** and IP related activities like filing and retaining the legal rights, **royalties** etc. Our jobs are a mixture of technology and management skills related to research processes, documentation, digitization and any **MS Azure AI** based prototype development activities

We maintain the **privacy of your IP assets;** help you get **real local researchers / licensed engineers** and not merely non-technical staff that many firms offer. |

For more information, please contact us.

Bhadale IT Developers Pvt. Ltd

Business person: Mohan Hulbatti-Business Owner, 0831-4217175, Email: mohanhulbatti@gmail.com

Technical person: Vijay Mohire- CTO, 9741040195; Email: vijaymohire@gmail.com