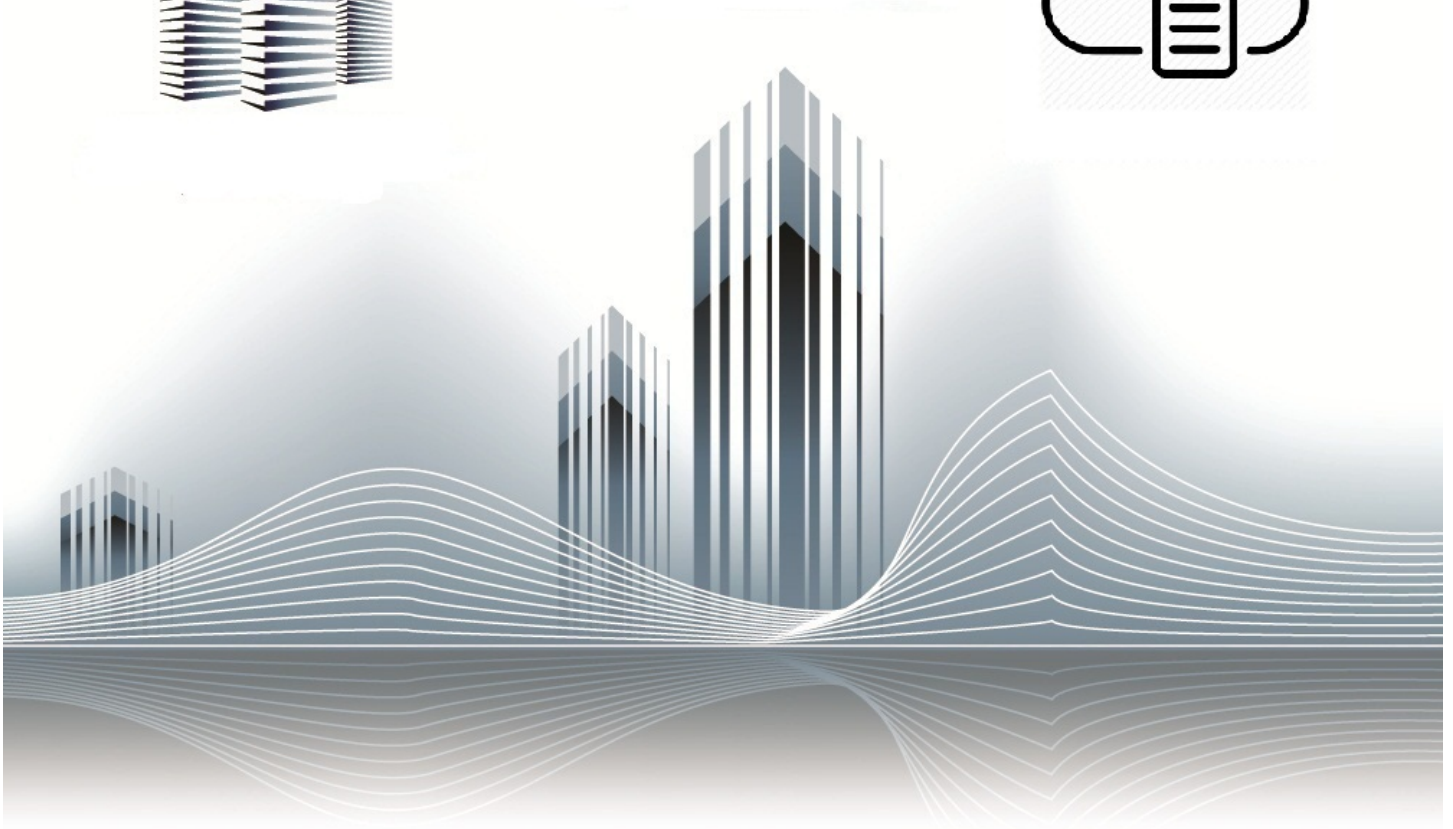




**BHADALE GROUP OF COMPANIES  
- IT AND REAL ESTATE**



**March 27 2019**

**R&D – Health and Life Science Innovations programs Catalogue**

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

**Plot No. 52, Hindwadi, Belgaum, KA, India | Mobile: +91- 9741040195 | Website: TBD**

**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
- Hazardous 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 special 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 R&amp;D – Health and Life Science Innovations



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## Catalog of services offered for R&amp;D - Health and Life Science Innovations

Service No	Program Name	Services offered
1	<b>Smart Drug Delivery</b>	<p>We help you in design of engineering systems, devices that use nanoscale material that have <b>enhanced permeability and retention effect (EPR)</b> and particularly important in cancer treatment.</p> <p>We can assist you in the design of IT and bio-medical systems for <b>Targeted cellular therapies</b>, where in the nano-particles can deliver drugs to the exact location needed, greatly increasing their effectiveness and limiting toxicity to other tissues within the body. Various methods will be suggested for the life cycle management of the nanoparticles and also its safe exit/ dissolution from the biological body</p>
2	<b>Smart Diagnosis</b>	<p>We help you in <b>design of nanodevices</b> (engineering, IT and bio-medical systems) for clinical laboratory diagnosis, for better scale level testing for better targeted testing of samples. We help you in <b>Smart imaging/ colored particles</b> using nanoparticles that can be conjugated with imaging agents and targeting ligands that ensures that they attach only to the diseased cells or tissues.</p> <p>We ensure surgeons and radiographers have <b>better visibility</b> and differentiate between diseased and healthy tissues more accurately, allowing them to treat using the most correct and <b>accurate medicines or surgery</b>. Combined with virtual reality / mixed reality and 3D imaging we help the students to learn quickly and practice with better tools. AI will help further reduce errors by use of ML algorithms</p>

3	<b>Smart Nanocoatings</b>	<p>We help you to design strategies and choose the correct <b>nanocoatings</b> that can be applied to internal biological aids like stents which <b>prevent the absorption of cells and proteins</b> onto the stent causing it to weaken.</p> <p>These can also be used for external equipments that help them not to rust, get sticky or <b>remove absorption</b> to help <b>avoiding deadly viruses like HIV</b> being transmitted to another patient.</p>
4	<b>Smart anti-microbial technologies</b>	<p>We help you to design <b>drug strategies</b> and choose the correct Anti-microbial materials, such as <b>nano-silver</b> for incorporating into conventional materials. This will help in <b>reduced usage of antibiotics</b> whilst simultaneously safeguarding patients from acquiring infections and harmful <b>super-bugs</b>. We also offer details for any risk related matter like the antidote, side effects and clinical trial based analysis of the new drug.</p>
5	<b>Smart Medical batteries</b>	<p>We help you in adopting of advanced materials like graphene and carbon nanotubes into lithium-ion batteries, which are used for internal devices. For example, <b>pacemaker battery</b> replacements due to battery drain will become less frequent as the batteries will have more life span. We will also help you use AI /ML into the electronic systems that will help detect any abnormality of the device and if possible any auto correction can be done without replacement</p>

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