



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



**Dec 30 2020**

**Technology Ecosystem for Services Catalogue**

**Bhadale IT Pvt. Ltd (registration due)**

**Canada & India**

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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
- 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

## Our Technology Ecosystem for Services



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We have a large set of tools and solutions; few are mentioned below with details tabulated

Domain	Our Product offer	Our Products ecosystem/ features
<b>ENGINEERING SERVICES</b>	1. Software engineering	For Software engineering services we use SEI-CMMI standards, with agile templates for mainly IT and software projects. Along with this we use vendor specific tools for software engineering that allow matured software design using UML, Model driven engineering and tools from IBM like Requisite pro.
	2. <a href="#">Systems engineering</a>	
	3. <a href="#">Cost engineering</a>	
	4. <a href="#">Robotics engineering</a>	For Systems Engineering we use INCOSE based framework and processes, along with UML, SysML/OMG and MBSE based tools for SoS design. We use SEBoK principles and related tools for design of systems
	5. <a href="#">Multi-disciplinary engineering</a>	
	6. <a href="#">Electronic engineering</a> / <a href="#">Electrical engineering</a>	
	7. <a href="#">Telecom engineering</a>	Engineering costing tools that have been approved by Engineering bodies, MS project, AACEI guides/ handbooks/best practices, engineering standards published by IEEE, NIST and National bodies. EU based ECOM, and Cleopatra
	8. <a href="#">Civil engineering</a> / architecture	
	9. <a href="#">Mechanical engineering</a>	
	10. <a href="#">Biotechnology engineering</a> / <a href="#">related product</a>	MPERL: Hardware and Software Co-design for Robotic Manipulators, DYNAMAN: A tool for manipulator design and analysis
	11. <a href="#">Research Engineering</a>	
	12. Farm engineering part <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> / Farm retail engineering	
	13. Real estate engineering	SolidWorks for CAD, Linkage, is a mechanical simulator, Autodesk Inventor, DxDesigner Schematic Capture Software. Computer aided robot (CAR) software is a necessary tool in robotic cell design with robot programming and robotic cell/line performance simulation with imported CAD model.
	14. <a href="#">Enterprise engineering</a>	
	15. Aeronautics / Space engineering	
	16. Nano-Technology engineering	Intellisense based chips for BioMEMS and Microfluidics tests. More details on this at: <a href="https://en.wikipedia.org/wiki/Bio-MEMS">https://en.wikipedia.org/wiki/Bio-MEMS</a>
	17. <a href="#">Transportation engineering</a>	
	18. <a href="#">Oil &amp; Gas Industry engineering</a>	PCB design tools like ZenitPCB, KiCad, gEDA, Altium Designer, Allegro PCB Designer and Proteus

	19. <a href="#">Manufacturing engineering</a> 20. Industrial Plant engineering 21. <a href="#">Health care</a> / Life Science engineering 22. <a href="#">BFSI industry engineering</a> 23. Engineering Education – Mentoring 24. Engineering Management & Leadership 25. <a href="#">Quantum Engineering</a>	Nutrition Balance Analyzer (NUTBAL), Domestic Animal Diversity Information Service, Online Mendelian Inheritance in Animals (OMIA), BioDiscovery ImaGene, MDS Analytical Technologies GenePix Pro, PathogenTracker, USDA National Nutrient Database, SoilVision software. Bio-Engineer- Eagle Point LANDCADD or PTC Pro/Pipe, Accelrys QAUNTA, Fujitsu BioMedCache, Accelrys Insight II, ChemInnovation Software, Molecular Devices Corporation MetaFluor, Molecular Simulations WebLab ViewerPro, Minitab, Stratasys FDM MedModeler, Mathsoft Mathcad, SolidWorks CAD software, Electromyograph analysis software, gait analysis software, virtual instrument software, BD Biosciences CellQuest, Protein Explorer, & CLS-2000 Laboratory System  <a href="#">Aviation Safety Information Analysis and Sharing (ASIAS) System, AC 120-92B – Safety Management Systems for Aviation Service Providers</a>  Oil & Gas – Surfer, aspenONE Engineering, LMKR GeoGraphing, & ProteusDS. More at: <a href="https://www.g2.com/categories/oil-and-gas-engineering">https://www.g2.com/categories/oil-and-gas-engineering</a>
<b>MANAGERIAL SERVICES</b>	26. <a href="#">Program Management services</a> 27. <a href="#">Project Management services</a> 28. <a href="#">Company secretarial services</a> 29. <a href="#">Company registration services</a> 30. <a href="#">Company Payroll services</a> 31. <a href="#">Company Accounting services</a> 32. <a href="#">Company Employment / labor services</a> 33. <a href="#">Company mobility services</a> 34. <a href="#">Company HR services</a> 35. <a href="#">Company travel / hospitality / visa services</a> 36. <a href="#">Company stationeries / legal books / logo</a> 37. <a href="#">Company International Trade / Banking / Forex services</a> 38. <a href="#">Company Tax services</a> 39. <a href="#">Company Embassy / Consular services</a> 40. <a href="#">Company Legal services</a> 41. <a href="#">Company partnership services- products, &amp; services</a> 42. <a href="#">Company sales /</a>	We use <b>PMI</b> based tools, <b>PMBok</b> , processes and documentation that ensures our program and projects are in compliance to the needs. We use MS Office, Jira, AzureDevOps, VersionOne, Rally, & AgilityHealth  <b>Athennian's</b> legal entity management cloud, <b>Nasdaq Boardvantage</b> provides governance and collaboration solutions for boards, committees, and leadership. Use <b>Boardable's</b> powerful meeting management software to hold virtual meetings, build and share agendas, record meeting minutes, assign and manage tasks between meetings, vote digitally, store and sign documents, engage in discussions, and more  <b>Workday HCM</b> is a single, cloud based solution for workforce planning, analysis and execution. <b>ADP Streamline</b> , Web-based reporting and analytics platform that helps businesses of all size with payroll and tax. <a href="#">QuickBooks Desktop Pro</a> - Easily creates invoices and manages expenses. Rippling makes it easy to manage your company's Payroll, Benefits, HR, and IT—all in one, modern platform.  <b>Quickbooks</b> is all-inclusive automated accounting software for small businesses that lets you handle bookkeeping, sales tax, expense tracking, invoicing, and other accounting tasks. <b>Freshbooks</b> is cloud-based accounting software that mainly serves as an invoicing and bookkeeping app that also allows you to handle payroll. <b>Sage Accounting</b> is a business and accounting software mostly aimed at small businesses – you'll also be able to track payments, expenses, set automatic reminders for payments and other important information  <b>SAP Concur, TravelPerk, Airbnb for Work, TripActions</b> is a leading global corporate travel management & payments platform. <a href="#">Uber for Business</a> - An all-in-one solution that simplifies how your organization gets around. <b>SalesTrip</b> is an expense management and travel booking system on Salesforce, making it easier for people to do business from places outside

	<a href="#">marketing / ERP-CRM services</a>	<p>the home and office so their organisations can thrive in return</p> <p>Forex Cards: ThomasCook, ICICI  <a href="https://www.thomascook.in/foreign-exchange/travel-prepaid-forex-cards">https://www.thomascook.in/foreign-exchange/travel-prepaid-forex-cards</a>  <a href="https://www.rbcbank.com/cross-border/us-credit-cards.html">https://www.rbcbank.com/cross-border/us-credit-cards.html</a></p> <p>VFS Global, Thomas Cook  <a href="https://www.thomascook.in/visa/canada-visa-online">https://www.thomascook.in/visa/canada-visa-online</a></p>
<b>RESEARCH SERVICES</b>	<p>43. <a href="#">Clean Tech Innovations</a></p> <p>44. <a href="#">Health and Life Science Innovations</a></p> <p>45. <a href="#">Social Innovations</a></p> <p>46. <a href="#">Engineering Innovations</a>-Advanced materials</p> <p>47. <a href="#">Quantum Technology</a></p> <p>48. <a href="#">IT Innovations</a></p> <p>49. Nano Technology</p>	<p>Remediation technologies can be divided into three categories, namely (1) thermal, (2) physicochemical and (3) biological methods. remediation of water, e.g. zeolites, carbon nanotubes (CNTs), self-assembled monolayers on mesoporous supports, biopolymers, single-enzyme nanoparticles, nanoparticles of zero valent iron (ZVI)  <a href="https://www.tandfonline.com/doi/full/10.1080/21622515.2012.733966">https://www.tandfonline.com/doi/full/10.1080/21622515.2012.733966</a>  <a href="https://iopscience.iop.org/article/10.1088/1757-899X/648/1/012037/meta">https://iopscience.iop.org/article/10.1088/1757-899X/648/1/012037/meta</a>  <a href="https://www.mdpi.com/1424-8220/16/7/1072/htm">https://www.mdpi.com/1424-8220/16/7/1072/htm</a></p> <p>Drones used <b>a)</b> CyberEye II [63]; <b>(b)</b> Silvertone Flamingo [64]; <b>(c)</b> SenseFly Swinglet [65] and rotary wing <b>(d)</b> AscTec Pelican [66]; <b>(e)</b> DJI F550 [67]; <b>(f)</b> DJI S800 [68]</p> <p>Quantum tool kits from IBM, AWS along with vendor kits like D-WAVE</p> <p>Research tools for lifecycle management:  <a href="https://www.ref-n-write.com/trial/top-research-tools-and-software-for-academics-and-research-students/">https://www.ref-n-write.com/trial/top-research-tools-and-software-for-academics-and-research-students/</a>  <a href="https://scanmarker.com/2019/09/25/the-5-best-tools-for-researchers/">https://scanmarker.com/2019/09/25/the-5-best-tools-for-researchers/</a></p>
<b>INDUSTRIAL SERVICES</b>	<p>50. <a href="#">Agriculture sector</a></p> <p>51. <a href="#">Aviation</a></p> <p>52. <a href="#">BFSI</a></p> <p>53. Education</p> <p>54. <a href="#">Govt-Public</a></p> <p>55. <a href="#">Healthcare</a></p> <p>56. <a href="#">Manufacturing</a></p> <p>57. <a href="#">Oil and Gas</a></p> <p>58. Retail <a href="#">1</a>, <a href="#">2</a></p> <p>59. <a href="#">Service Providers</a></p> <p>60. Telecom <a href="#">1</a>, <a href="#">2</a></p> <p>61. <a href="#">Transportation</a></p>	<p><b>Agirivi</b> farm management software, more tools at:  <a href="https://www.predictiveanalyticstoday.com/top-farm-management-software/">https://www.predictiveanalyticstoday.com/top-farm-management-software/</a></p> <p>For Fleet: <b>Odoo</b>, <b>Fleetco</b> and more  <a href="https://connecteam.com/10-best-fleet-management-software/">https://connecteam.com/10-best-fleet-management-software/</a>  <a href="https://www.goodfirms.co/blog/best-free-open-source-fleet-management-software-solutions">https://www.goodfirms.co/blog/best-free-open-source-fleet-management-software-solutions</a></p> <p><a href="http://www.innovatenow.co/why-financial-services-firms-need-stronger-product-management-tools/">http://www.innovatenow.co/why-financial-services-firms-need-stronger-product-management-tools/</a>  <a href="https://www.oracle.com/industries/financial-services/banking/banking-enterprise-product-manufacturing/">https://www.oracle.com/industries/financial-services/banking/banking-enterprise-product-manufacturing/</a>  <a href="https://worldretailbankingreport.com/wp-content/uploads/sites/3/2018/09/Next-GenProductManagement.pdf">https://worldretailbankingreport.com/wp-content/uploads/sites/3/2018/09/Next-GenProductManagement.pdf</a></p> <p><a href="https://digital.gov/topics/product-management/">https://digital.gov/topics/product-management/</a>  <a href="https://18f.gsa.gov/2019/08/22/building-product-management-capacity-in-government-part-1/">https://18f.gsa.gov/2019/08/22/building-product-management-capacity-in-government-part-1/</a>  <a href="https://mojdigital.blog.gov.uk/2018/12/07/the-product-management-handbook-for-government/">https://mojdigital.blog.gov.uk/2018/12/07/the-product-management-handbook-for-government/</a></p>

<b>REAL ESTATE</b>	62. Development 63. Construction 64. Managing 65. Licensing 66. Rentals 67. Corporate matters-Tax, Compliances	ToDo
<b>RETAIL</b>	68. <a href="#">Grocery &amp; stationeries</a> 69. <a href="#">Agro &amp; farm goods</a> 70. <a href="#">Fast food, FMCG</a>	<b>Retail management:</b> Oracle NetSuite OneWorld, Acumatica, EZOfficeInventory, Zoho Inventory, Odoo <a href="https://www.softwareadvice.com/retail/retail-management-comparison/">https://www.softwareadvice.com/retail/retail-management-comparison/</a>  <b>FMCG management:</b> <a href="https://www.softwareadvice.com/fmcg-software">https://www.softwareadvice.com/fmcg-software</a>
<b>INFORMATION TECHNOLOGY</b>	71. <a href="#">Cloud Architecture</a> 72. AI general <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> 73. Digital <a href="#">1</a> , <a href="#">2</a> 74. Automation <a href="#">1</a> , <a href="#">2</a> 75. <a href="#">R&amp;D services</a> 76. Engineering services <a href="#">1</a> , <a href="#">2</a> 77. <a href="#">Mentoring Services</a> 78. Data center services <a href="#">1</a> , <a href="#">2</a> 79. Outsourcing <a href="#">1</a> , <a href="#">2</a> 80. <a href="#">Robotics</a> 81. <a href="#">AI Neural Networks, &amp; Algorithms</a> 82. <a href="#">Advanced AI services</a> 83. Computer Vision 84. MS Azure end to end services <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> , <a href="#">4</a> , <a href="#">5</a> , <a href="#">6</a> , <a href="#">7</a> , <a href="#">8</a> , <a href="#">9</a> 85. AWS end to end services 86. Data Science Services <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> 87. IT Cloud Security <a href="#">1</a> , <a href="#">2</a> 88. Programming language/ coding service 89. <a href="#">Cognitive Enterprise</a>	<b>IT services management tools:</b>  <a href="#">Zendesk Support Suite</a> , Freshservice, Jira Service Management <a href="https://www.g2.com/categories/it-service-management-itsm-tools">https://www.g2.com/categories/it-service-management-itsm-tools</a>  <a href="https://blog.bit.ai/tools-for-researchers/">https://blog.bit.ai/tools-for-researchers/</a> <a href="https://www.octoparse.com/blog/30-tools-resources-for-research">https://www.octoparse.com/blog/30-tools-resources-for-research</a>  <a href="https://kickofflabs.com/blog/10-great-tools-to-automate-and-outsource-your-work/">https://kickofflabs.com/blog/10-great-tools-to-automate-and-outsource-your-work/</a>
<b>STARTUP SERVICES</b>	90. <a href="#">Advisory services</a> 91. <a href="#">Innovation services</a> 92. <a href="#">Start up accelerators</a> 93. <a href="#">Raising capital</a>	<a href="https://www.cloudways.com/blog/best-startup-tools/">https://www.cloudways.com/blog/best-startup-tools/</a> <a href="https://gloify.com/blog/best-tools-for-startups/">https://gloify.com/blog/best-tools-for-startups/</a>



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