



Business Deck

Vijayananda D Mohire | Bhadale IT, Hindwadi, Belagavi, KA - India

Company introduction and founding Team



- **Bhadale IT** is an IT and Computer Engineering startup based in Belagavi, Karnataka state, India
- **Bhadale IT** is a planned diversification of Bhadale group of businesses' currently dealing in retail services and are estate owners
- **Bhadale IT** is formed and managed by Mr. Vijay Mohire – CTO, operating under directions of owners of Bhadale group of businesses'
- Company has plans to offer consultation / projects in areas of cutting edge technologies, research outsourcing, and related engineering practices
- We have skills, expertise and network of startup accelerators, overseas tie-ups and knowledge of running business and employment standards

Problem statement

- Currently several countries face serious problems in areas of job creation, self-employment, access to quality living, food and security & no smart living;
- Currently our country ranks fair in “Ease of doing business” and “corruption list”.
- Scope of jobs in fortune firms is limited to campus recruiting and back door referral, impacting the supply chain balance of availability of required professionals at right time and at right price
- Our IT industry revenues are shrinking and switching costs related to new hires, JV with R&D firms makes slow progression in adopting latest technologies
- Offering one mini-project that solve one issue is not sufficient to make us great and achieve hi ranks in International market
- I offer solutions to talented professionals / new startups for smart working, smart living, smart eating, smart business and smart cities crossing several domains like Co-working for Micro Small scale Industry, Healthcare, International law, and several others

Business deck – Ideas



Job Cafe - Co-working spaces

- Work at your near by home job café at your own time and pace
- Help small businesses' migrate from an incubator, establish and grow quickly
- our unique facilities that offer technology, business management and international exposure.
- Job Cafe = Data center + Command center+ Call center + Training center,+ Virtual office+ Virtual working environment., International B2B, & B2C management
- This makes job seekers find work at this café that is well equipped with JV from across the globe including prep for visas, language skills, migration, relocation to new country
- This will reduce dependency on MNC companies, recruiters and wait for long queues for getting into domestic & international market as startup players
- International chain of pre arranged hotels, conference rooms, car pools, & many more

Expert system for Lawyers



- Work with a hi speed decision support robot
- Help lawyers establish and get legal assistance based on prevailing local laws and actual responses to doubts and specific sections
- This special AI operator can assist the judge to search and correlate his findings without bias (link analysis, sentiment analysis, criminal record search)
- The system will be simple access through web and expert system that talks to a NoSQL DB and retrieves needed laws, facts and similar cases
- Reduction in risks and court sessions being adjourned
- Speedier resolutions and offers counter – evidences based on role played as plaintiff or defendant, lawyer or a judge or underwriter (paralegal)
- Technology used is Deep Learning / ML algorithms (CNN), NLP algorithms for audio, image and textual I/O through a console
- Ability to converse with lawyers, search millions of records and give results in few minutes
- Various plug-in for international laws and customization as per legal needs

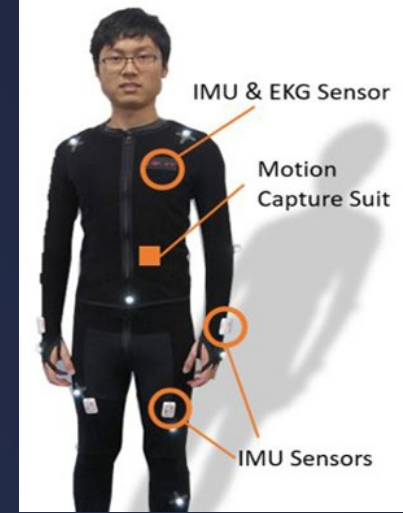
Health monitoring wearable



- For health related monitoring(BP, Sugar, Asthma, Cancer etc)
- This helps in monitoring and optimization of health care at an individual level and having a good data sharing system across national health care IT systems
- This uses AI based fuzzy logic + bio-sensors+ implant feeds + other electronic gadgets used in the PAN area that will be used to relay emergency situations and auto-responders for alerts from hospitals
- This uses smart grid/ gateway servers for offline data exchange and data sample retentions in personal devices / laptops for offline backups to servers
- Easy to use IoT gadgets with various form factors like health monitoring parameters, heart/BP monitoring with ECG, sugar level monitoring, cancer monitoring implants for tissue growth monitoring and blood counts
- Quality based on FDA, & local quality standards like HIPAA, HL7, metrics and device sterility and anti-aids precautions
- Can act as a health advisor by running backend ML algorithms at server and relaying the tips to the wearable
- May use Virtual reality/ augmented reality for better UX and easier interpretation of medical terms

Health monitoring suites for the aged & in-patients

- Bigger than wearable for long term use and in house monitoring
- Has a good data sharing network across emergency responders , nurses, gadgets like managing the supply of oxygen, room temp, body temp, saline drips, SMS to specialist doctors, surgeons etc
- Two variants of the suite are available, one is for in-house regular use for the aged and other for ICU in-patients at hospital
- Suitable gadgetry will be inbuilt to the suite to enable real-time monitoring of the body parameters and feeds sent to the AI expert system that regulates the permissible supplies based on fuzzy logic, self-decisions and other parameters like historical records, ML inputs etc
- 365 , 24*7 running on a cloud platform , scales well to multi-tenants and can have UI / data sharing for various roles and emergency supplies and advanced suggestions based on ML algorithms that study history and similar cases



Quick Food tester

- Check your food ,anytime, anywhere, with official results
- This helps in detecting the contamination, dangerous chemicals and substances like cyanide, fluoride, ecoli, carbon dioxide, staleness, PH value and other parameters that will be useful for the cooks & waiters while serve the food
- This also allows to get ML feedback and can help them prepare good food as per Health and Safety standards
- Edge analysis is present in the food tester device & it suggests suitable food grades, it is a local food inspector that does not penalize you.
- One to One result match to your diet needs and low- maintenance fees
- Use of Deep learning to study minute particle level analysis from sample, quick turn around from Hi performing cluster computing(HPC)
- Can come in various form factors (shape, sizes) to suite the need of the usage like in home, large hotel, outdoor camping, military field and in sea- or in-air



Many more projects

Idea	Idea in brief
1	Solution Café – personalized co-working space for employment needs.
2	Integrated protocol stack for emerging technologies, a bundle of standard protocols
3	Food quality testers using AI for packed and open food items
4	Traveler's navigator kits using VR/AR/ AI/ML for better experience and avoiding dangers
5	Army suite: for integrated guidance (GPS, domestic + military signals, Google maps)
6	Integrated Healthcare systems using Wired / Wireless/ PAN / Smart building / Smart city
7	Remote Surgery – in situations like battle field and remote villages
8	Inkless paper – based on inkless writing pad, however here paper will be not a wax based.
9	Modern shopper's aid – using VR/AR and automatic checkouts.
10	Smart grid using AI / Fuzzy logic and a standardized universal system of V, I convertors
11	Transport and logistics tracking, shipment and monitoring for theft, loss, or damage
12	Robotic team for rescue operations – disaster management, detection and recovery of humans
13	Food originality tester of plastic rice, eggs and other food grade material for originality
14	Adaptive learning: Use of AI / ML in aiding kids to learn better
15	Resume shortlister AI agent: Use of AI /ML in scanning large standardized set of resumes
16	Farmer's aid: Use of weather patterns to forecast weather for farmers
17	Reservation aid: Scanning a list of bus/trains/ flight time tables and providing solutions
18	Driver's aid: Using Google maps and daily data feeds to update travelers
19	Vehicle Collision detector: Scanning of road ahead for say 100 meters and guiding drivers
20	Doctor's aid: Diagnosis of diseases for simple and complex diseases
21	Lawyer's aid: AI Lawyer that scans all rules, regulations, sections and assists lawyers/ judges
22	Trekking aid: Guidance for travelers related to camps, trekking, dangerous animals'
23	Disabled traveler aid: Blind navigator / GPS based navigator + personal assistant for the disabled
24	Health monitoring suites for the diseased that has probes and wireless connectivity
25	Resident aid: As part of Smart City plan, the city resident will be provided with several aids/ kits
26	Anti-theft detectors: This is for a business man to keep his online details safe
27	Personal security kit: This is for personal safety and safety of family, assets and kids
28	NLP translator: This is for international traveler who needs to response, in a different language
29	Personal defender kit: Warning and self defense kit for personal use
30	Digital twin for firms to help firms that need to get better performance

Uniqueness about my ideas

- My ideas are inspired by the current state of job issues, and the real world figures as provided by International agencies like World Bank.
- As there are unique issues my ideas and solutions are unique; these don't need hypothesis support as required for thesis writing at a PhD level
- These ideas may be used elsewhere however as the implementation might not be effective or have failed to deliver the results, my solutions are unique by the fact that many issues remain at same level with no improved state, improved services and no increase in income;
- Not fully utilizing the talent pool by few MNCs in our country
- Opening opportunities for the skilled and underutilized micro/ small industry sector which accounts to 80% of the industry size
- Offering alternate working environment for those who were deprived jobs due to various personal, socio-economic status, minority groups and professionals who were laid off /not promoted due to reasons not based on merit.

Business Competition

- There are several NGOs and projects funded by MNCs that offer similar services ; however the products / services are for their clients overseas
- Many products have patents and need payments of royalties and are not easily accessible to general workers
- In fact, for us, business competition is “rest of world” and products that we import.
- Many MNCs dump poor products and earn in dollar, revenue loss
- We are draining our resources, time and money when dealing with forex and remain poor by way of offering our time, and resource to serve the top 10% wealthy clients of the world
- We play on the needs and directions of fortune firms and have become slaves of the unworthy

Market size/opportunity

- The opportunity and market capitalization varies by the usage / need of our products
- For example Job Café can be franchised and funded by Govt. by way of low interest loans and there will be at least 50 entrepreneurs / province who will have the skills/ talent to drive this **Job Café center** with at least 500 full time employed (**25,000 jobs/ province**)
- For Smart products – Smart living, Smart working, Smart Health care there will be **say half a million** users and our products will be made feasible for the public by way of distributing these from public hospitals, private shops and medical stores
- Many of the engineering devices can be fabricated and mass produced in-land which leads to job creation (say **5000**) for the many underemployed engineers & doctors
- International Legal services can help local lawyers who offer International services (with AI assistance); this is a big market like **10,000 lawyers / province**
- Hotels / Airlines can use the food quality testers before serving to clients or can offer better meal maker as per diet needs (**1,000 meals tested / day**)
- Health monitoring wearable can help the sick & needy to get immediate attention; this is health market segment and many need such gadgets (say **half a million**)

Revenue model

- Majority of income over the next few years will come from :
 - 1) Way of franchise business (\$ 10,000 / unit; 50 units * \$ 10,000 = **\$ 0.5 million**)
 - 2) Cost recovery from fees charged to 500 employed workers in a typical Job Café(\$2,000 / year / person= **\$ 1 million**).
 - 3) Sale of Smart products (100,000 unit sales with a average price tag of \$ 100 / gadget) = **\$ 10 million**
 - 4) Sales of AI lawyer unit and training of lawyers (5,000 lawyers * \$ 2,000 / AI lawyer) = **\$ 10 million**
 - 5) Sale of Food quality tester, 1,000 units * \$ 100 = **\$ 500,000**
 - 6)Export of units (1,000 units * \$100/ unit) = **\$ 500,000**
- Typical investments will go in for setting up Job Café franchise, R&D, production of the Smart products and labor
- We plan to retain a small margin of say 10% and add other operating costs to the sale units spread across few years to ensure break even point is achieved with minimum investment and labor charges (ball park min. investment is about **\$ 1 million/ project**)

Contact details

Interested parties, sponsors, angels, vendors, R&D units can contact me at below given address with an email intimation:

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