

Women in Technology Hackathon 2020



Team : Runtime Terror

Prajakta Patankar

Shreya Joshi

Bharati Kulkarni

Neha Rathod

Minu Raju

Problem Statement

- Covid 19 – a global pandemic has gripped the world since several months. It has emerged as the single biggest threat that has unified humanity to fight for its eradication. It has impacted India in a huge way, with our diverse demography and the intricacies between sectors and its dependencies on its labour force, this pandemic has opened up our vulnerabilities in managing our labour resources.
- The Migrant issue which we have been facing in India as an after effect of preventive measures taken to restrict COVID-19 spread, has left individuals, families and livelihoods in tatters. It has also deferred the growth of various sectors like Infrastructure Development and Public works, Private Real estate Development, Transportation, Agriculture and many other labour intensive segments of the economy.
- Upon observing this problem, we concluded that labour resources in our country are not organized and don't have access to a common platform which can give them access to opportunities suited to their residence location, competencies and skills. This also highlights that organizations with requirements for labour resources, don't have access to them readily in their respective states



Proposed Solution

- We see technology as the most viable solution to effectively manage the labour pool of our country and minimize Migrant problems in the future. Technology can help us bring our labour strength to a common platform in a structured manner that gives them access to abundant opportunities available in our country.
- It will also help the labour intensive sectors of our country to tap into our labour resources more effectively.
- We propose a mobile application – **Shramik Bal**
An employment portal for the labour force of India.
- This mobile application solution will work as the single biggest platform to serve over 458 million workers in India. This mobile application will bring organization and structure to our labour class.
- The idea is for this application to work as a job portal for the labour masses and also work as a resource pool for all the sectors which require labour resources.



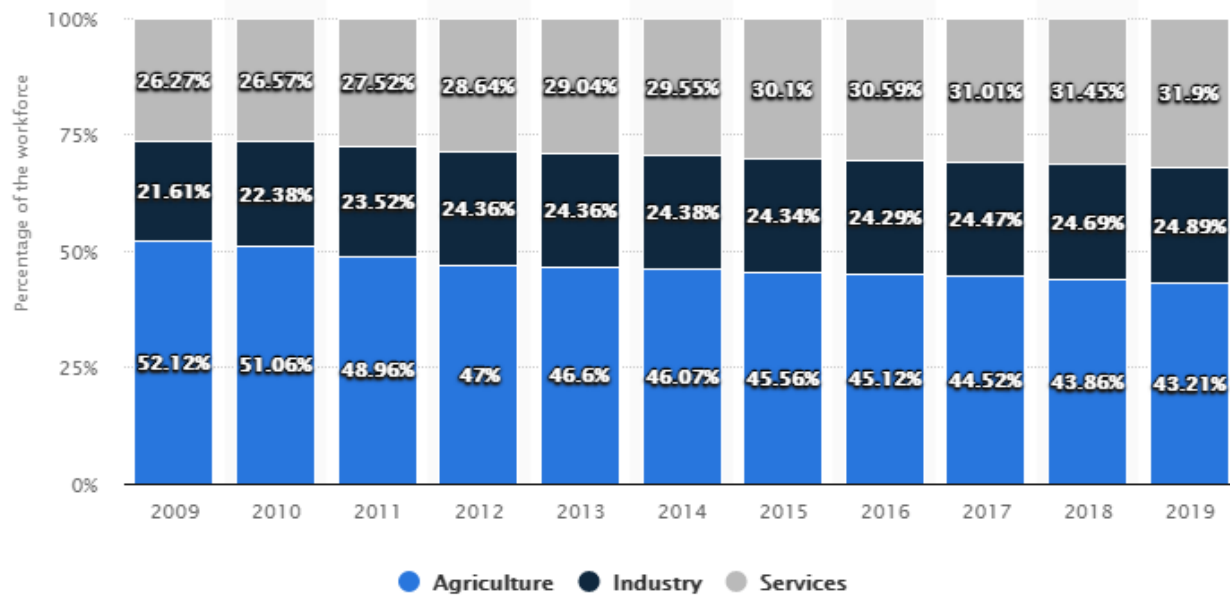
shramik बल

Why Shramik Bal ?

- Presently we do not have a single platform which caters to the unorganized section of the labour force of our country which is 458 million and growing across India.
- Major influx of unorganized labour happens from Uttar Pradesh, Haryana, Bihar, Jharkhand, West Bengal, Assam, Tamil Nadu and Karnataka.
- Mobile usage in India is being predicted to reach over 800 Million by 2022, so this solution can capitalize on this technological momentum.
- The application is designed to allow demand and supply to meet in an online market place environment.
- It will allow the registered users to find jobs in their respective cities, states or states closer to home, minimizing the logistical requirements like travel, housing, hygiene etc for a labourer to migrate.
- It will minimize involvement of middle men between Labourers and Contractors/ Companies.
- It will be an multilingual and easy to use application accessible from both mobile phone or a computer browser.



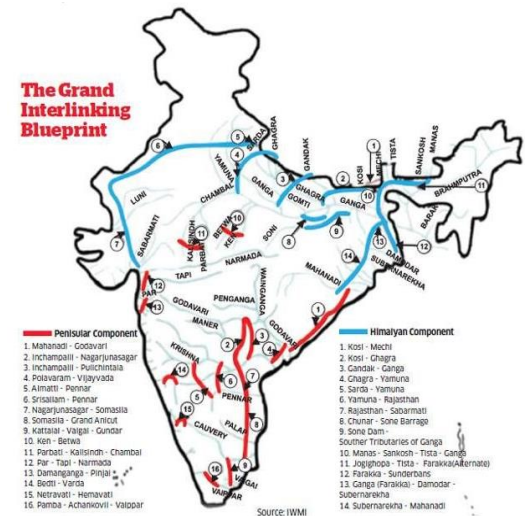
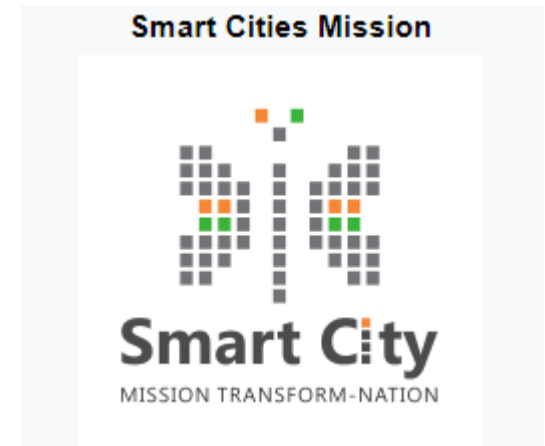
Potential Impact of the application



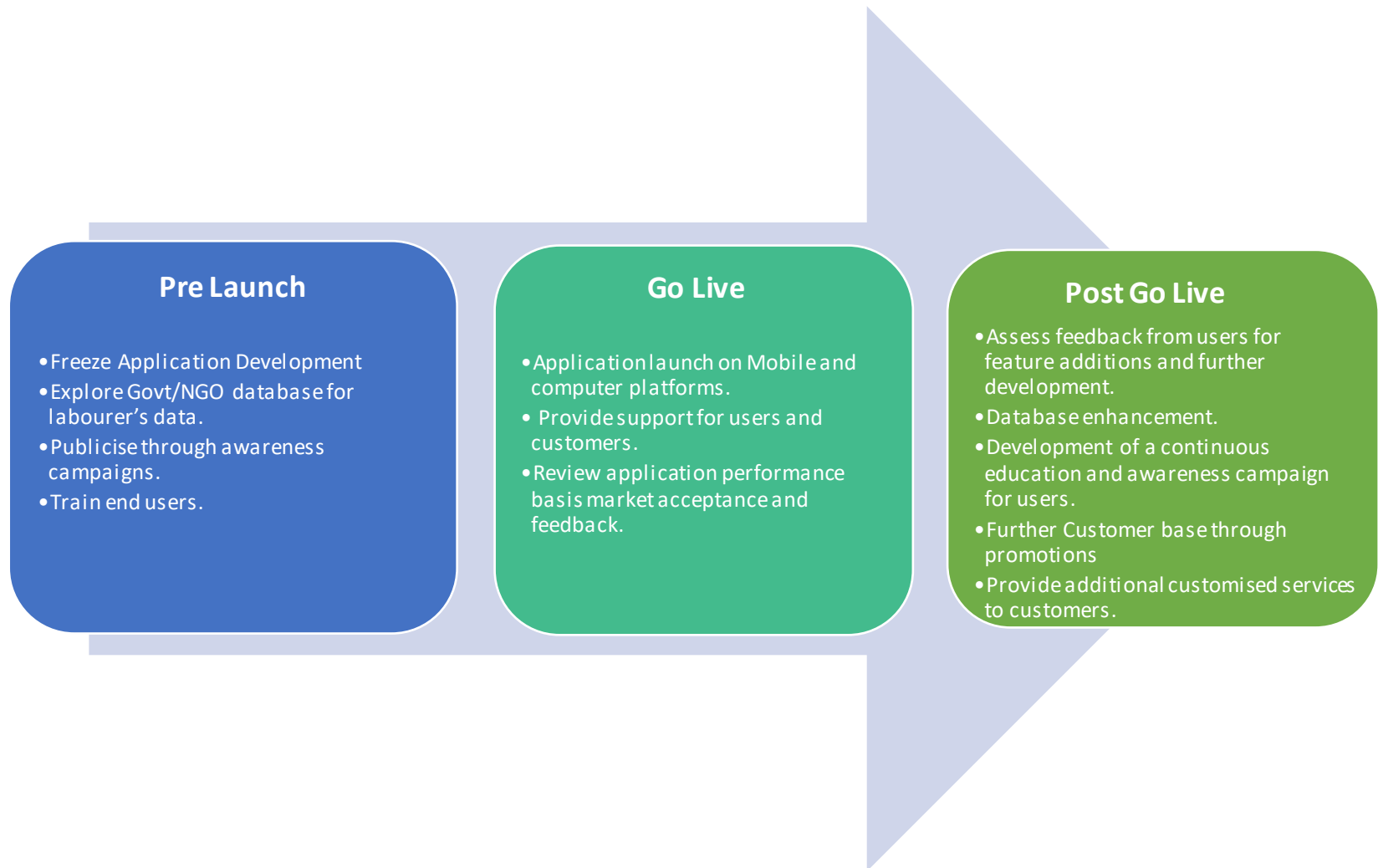
- As of 2019, the total agricultural and Industrial work force percentage accounted for nearly 68% of the total work force. Shramik Bal will target this work force and provide a much needed flexibility and framework for both demand and resource supply.
- We will gradually look to target about 458 Million users for labour force registration and make this solution a one stop shop for all labour requirements for various sectors.
- The implementation of this solution would require massive campaigns for training and awareness, publicity, integration and data repository creation. This would require significant effort and resources.
- The development of this solution will be in phased manner where added features and more options will be added, details of the same would be elaborated in detailed road map explained in the following slides.

Potential future scope

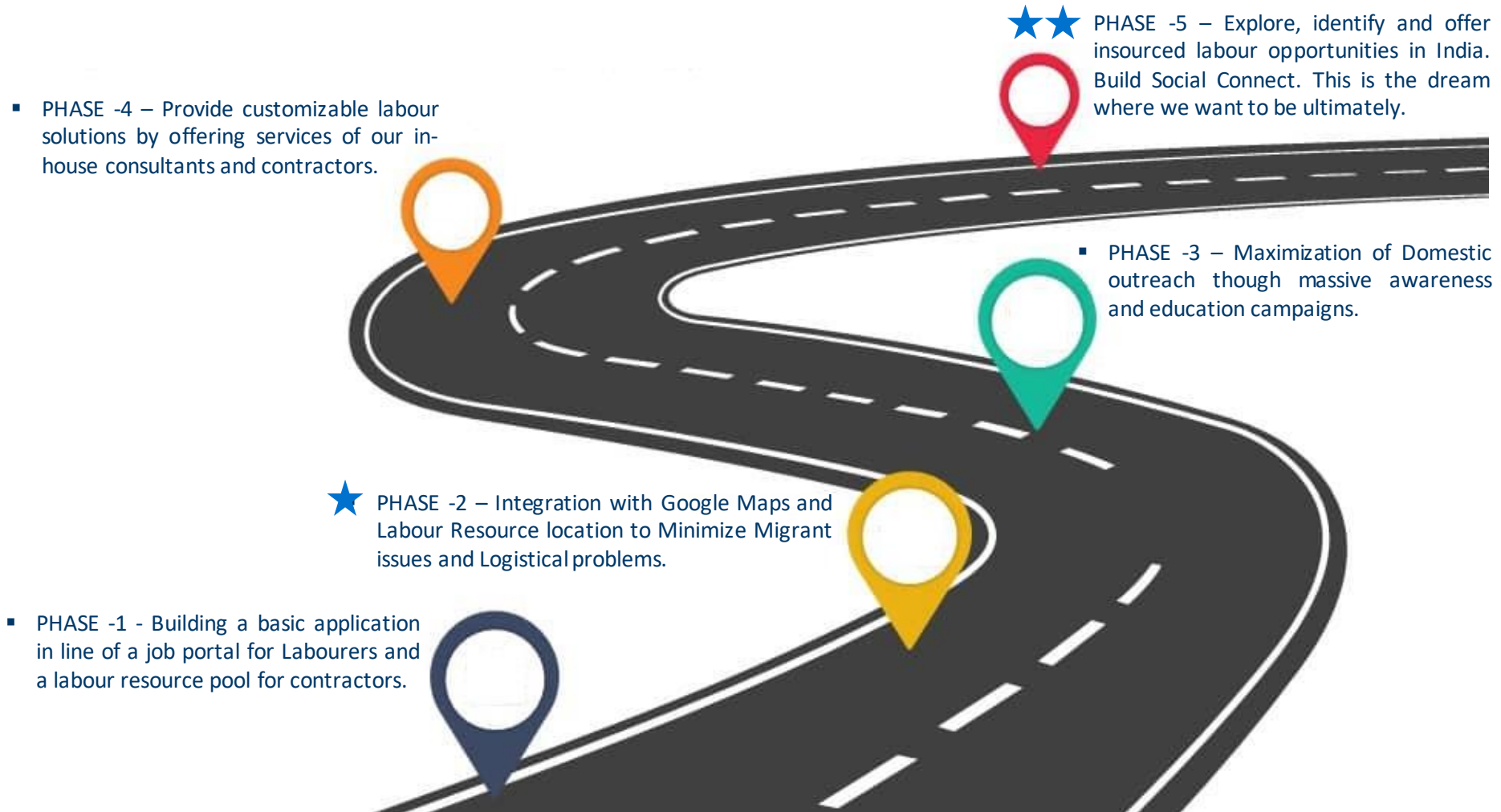
- If we can tap into the Government projects with our application we have the potential of expanding the scope of our application solution. We anticipate huge labour demand which can really increase the scope of our application solution.
- **Smart City Development plan:** is an urban renewal and retrofitting program by the Government of India with the mission to develop smart cities across the country, making them citizen friendly and sustainable. The Union Ministry of Urban Development is responsible for implementing this mission. The mission includes 98 cities, with the deadline for completion of the projects set between till 2023/ 2024.
- **Indian Rivers Interlink:** is a proposed large-scale civil engineering project that aims to effectively manage water resources in India by linking Indian rivers by a network of reservoirs and canals to enhance irrigation and groundwater recharge, reduce floods and water shortages in India. We foresee a larger need for physical labour intensive demand for this government project which could excel the need for our application solution. This plan will require huge labour force and if our application could provide localized labour to these efforts, it would result in significant cost saving and logistical assistance to the government.



Implementation Glide path



Roadmap



Future Hope For Labour Force



CURRENT

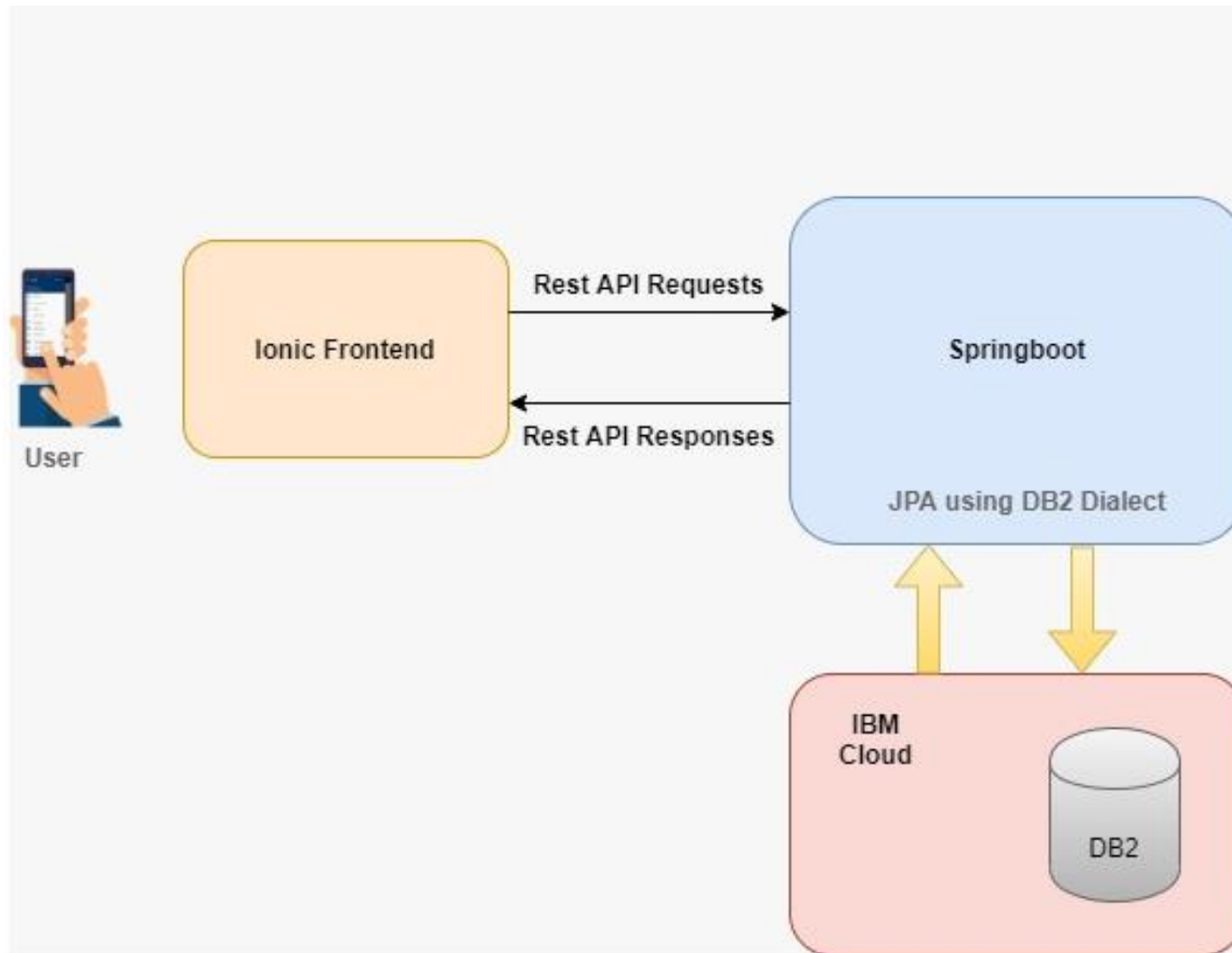
shramik बल



FUTURE

TOGETHER WE CAN

Current Architecture



Future Architecture

