Personal Information-:

* We are from ABESEC (1st Year)
* No prior experience
* Created some small projects in college
* 1st time in any hackathon or event
* Here to gain experience of functioning of hackathon events.

*Village management system*

**Problems faced by the industry-:**

* **Lack of skilled workforce** **-** Rural areas face a shortage of skilled workers, which hinders the growth of industries.
* **Poor market linkages –** Its very difficult in finding markets for their products, which results in low profitability.

**Future prospects in industry-:**

* **Government initiatives -** These initiatives can help rural entrepreneurs access finance, training, and market linkages.
* **Increased focus on organic farming -** The demand for organic food products has been growing globally. So,can earn money by this easily.

**Reason to selecting the idea-:**

* **Importance of agriculture -** Agriculture is the primary source of livelihood and heavily dependent on soil quality and irrigation facilities.
* **Addressing water scarcity -** An efficient irrigation system can reduce water usage and lead to a better yield of crops

**Objectives of the Business-:**

* **Improving agricultural productivity** **-** To improve agricultural productivity by providing farmers the soil reports and an efficient irrigation system.
* **Promoting sustainable agriculture -** By providing farmers with information on soil health, which can help them adopt organic farming practices

**Execution of Idea-:**

* Collect the data about the soil and then calculate approximate **pH level, nutrients level, amount of water & fertilizer** will be used.
* On basis of pH level, the medium of fertilizer will be decided and give **all** **information about** **irrigation** to farmer.
* The water loss in tubewell during irrigation will be **filled** **automatically**.

**Marketing plan-:**

As our project will be an software based, so it will be available for free to use and as it is village management system awareness can be spread about it through wall paintings and announcement throughout the village.

**Cost management-:**

As our project revolve around imporving the living standard in village. Therefore the cost of different hardwares like street lights, solar panels, tubewells, etc. can be funded from village collection or it may come under government maintenance.

*By-*

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*Ishan grover*