

Tutorial 7

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Comps B

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Hivare Bazaar is a small village in the Ahmednagar district of Maharashtra, India that has gained recognition for its success in sustainable development & water management. The village has implemented a range of initiatives that have transformed it from a drought prone area to a model for sustaining development.

The goal of the village is to achieve sustainable development through the conservation and management of natural resources such as water, soil & forest. The village has adopted a holistic approach that integrates economic, social & environmental goals, the systems that they have in place to fulfill these goals include

1) Watershed Management

This comprehensive watershed management program that includes the construction of check dams, percolation tanks & other structures to conserve & recharge groundwater.

2) Agriculture & Livestock Management

The village has encouraged the adoption of sustainable agricultural practices such as organic farming, crop rotation & the use of compost & vermicompost.

3) Social & Economical development.

The village has established a gram sabha, or village council which is responsible for making decisions about the village's development.

Overall, the system that Hiware Bazar has put in place are based on principle of participatory governance, sustainable development, & the integration of economic, social & environment goals.

The success of these systems is evident in the transformation of the village from a drought prone area to a model for sustainable development..

1) The outcome achieved by Hiware Bazar Village through their efforts towards good governance & sustainable development have been impressive.

Some of the key achievement are :-

- 1) Increase in water availability
- 2) Increase in agricultural productivity.
- 3) Improvement in livelihood.
- 4) Improvement in the environment

The areas for improvement in Hiware Bazar village are as follows

- 1) Enhancing the participation of marginalized groups.
- 2) Addressing the challenges of climate change
- 3) Ensuring the sustainability of the initiatives.

Overall, the achievement of Hiware Bazar village in terms of sustainable development & good governance are significant & the areas for improvement provide opportunities for continued progress & success

Suppose a software developer working for a company discovers that their software contains a security vulnerability that could potentially compromise the privacy & security of user data. The developer faces an ethical dilemma. Report the vulnerability to the company, which could result in lost revenue & a potential loss of employment, or keep silent & potentially put user data at risk.

In such situations the developer may take following steps to resolve the ethical dilemma.

- i) Engage in self-reflection & explore their personal values & beliefs related to software development, privacy & ethics.
- ii) Make a decision based on their personal values & beliefs, taking into account the ethical standards & guidance they have consulted, & the potential consequences of their actions.

In this case the software developer may decide to report the vulnerability to the company, taking steps to minimize the potential negative impact on users & working with the company to develop a plan to address the vulnerability.