

Creation of Model of Smart Village through Techno-Socio Aspect

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Abstract

Smart village represents the new engine of growth in global development of knowledge capitalism.

- Smart village initiative focuses on improved resource-use efficiency, empowered local self-governance, access to basic amenities and responsible individual and community behaviour to build a vibrant and happy society.
- Now need of the hour is- strategy, integrated planning and above all monitoring and execution of the activities using appropriate governance models.

Keywords; Smart village, Techno-socio aspect

I. INTRODUCTION

In the Indian circumstance, villages are the spirit of the country. Hence for the development of the nation we have to start from the roots or heart of the nation which is village. And for that first we have to first analysed the current scenario of the Villages in the rural India. In our study we visited some villages to acquire more knowledge related to our topic. Our survey revealed that there are many facilities which are not available properly in the villages till now. Such as water supply, proper drainage system and lacking of educational facilities, medical facilities and many more, for fulfilling there needs people has to migrate towards arban areas. There is lack of awareness among the people about different irrigation techniques and how to use that techniques.

Smart village initiative focuses on improved resource-use efficiency, empowered local self-governance, access to assured basic amenities and responsible individual and community behaviour to build a vibrant and happy society. The concept of "Smart Village" will address the multiple challenges faced for sustainable development of rural India. A "Smart Village" will provide long-

term social, economic, and environmental welfare activity for village community, which will enable and empower enhanced participation in local governance processes, promote entrepreneurship and build more resilient communities. At the same time, a "Smart Village" will ensure proper sanitation facility, good education, better infrastructure, clean drinking water, health facilities, environment protection, resource use efficiency, waste management, renewable energy etc, will look after many sustainable goals.

Components of Smart village are as follows:

1. Transperent Bus-stop:

In village we are providing Bus-stop which is constructed with the use of glass. The glasses which are using for the construction of Bus-stop is magneto-glass, which is transparent and durable and cost effective. The function of magneto-glass is as similar as solar panels. It absorbs sunlight at the daytime and transfers it to the motor which converts it into electric energy which will be used for the lightning purpose at the night time in the Bus-stop and for street lights. As it is transparent it also

ensures safety of the women if the women's, they want to travel at night time.

2. Telemedicine in Hospital:

In hospital we are providing telemedicine facility in villages. Minor disease can cure easily and immediately. But in case of chronic disease or in case of emergency we cannot migrate the people from village level to urban level, for that we are providing telemedicine facility at the village communicate with the higher authority in the urban area through video conferencing and can take suggestions from them and can solve the problems of patients at certain extent in hospital.

3. E-education in school:

In the village we are providing e-learning facility. Why our country is a developing country not a developed one? Because we are lacking in the practical knowledge. For that we are providing e-learning facility in the school. By this we can show the virtual videos of the different topics to the students. So that they will be able to know how the work is actually done and get the practical knowledge and can compete with the urban students.

4. Segregation plant:

In the village, we are providing waste collector bus which collects all the waste from the surrounding and take up to the segregation plant. Where all the waste is segregated in two parts i.e. organic waste and inorganic waste. We are also providing plastic bituminous road, the plastic we will get it from segregation plant.

5. Vermicomposting:

In the village we are providing vermicomposting plant. Organic waste such as vegetable waste, fruit waste, grass etc. are decomposed in this plant. And the manure form by this process can use for farming purpose.

6. Agricultural Produce Marketing Committee (APMC):

In the village we are providing APMC. In the APMC the yielded crops can directly sell in the market without any brokeship. This leads to increase in production of the crops by which more money will be available with the farmers and also increase the standard of living of the farmers one step towards development of villages.

7. Other facilities which can be provided in the village are as follows:

- 24*7 Safe drinking water
- Sanitation facilities
- Functional School building
- Play ground
- Buildings for social purpose
- Rain water harvesting
- Employment sector
- APMC
- Agricultural development
- Solar street lighting

II. RESULT AND DISCUSSION

A smart village knows about its citizens, available resources, applicable services and schemes. It knows what it needs and when it needs. As we discussed earlier, our initiative of creating the smart village the basic principal sustainable development was to focus on improved local self-governance, access to assured basic amenities and responsible individual and community behaviour to build a vibrant and happy society.

And also to collect community efforts and strength of people from various streams and integrate it with information technology to provide benefits to the rural community.

For this, we have provided so many basic things and facilities which were not working properly till now. Such as water supply, electricity supply, proper drainage system, effective medical facilities, efficient education facility, effective health care, efficient and modified transportation & infrastructure and smart & economical farming, etc.

And the results of this are:

- Smart village connects to the towns and cities from side to side in order and communiqué technologies. Such technologies enhanced edification and strength services by given that associates to the world's acquaintance bottom and opportunities for remoteness knowledge, as well as following initiatives in m-health (known as telemedicine). Connectivity in addition opened up contribution in supremacy processes at confined, local and national levels.

- elegant village served as harmonizing engines of trade and industry growth to elegant cities, producing possessions and services for limited rural markets as well as high-value-added agricultural and country industry merchandise for mutually national and international markets.

- Smart village captured several of the reimbursement of town living while retaining appreciated aspects of country life and ensured impartial growth at the nationwide level. This enabled villagers to reach strong and satisfying lives, attain their expansion possible, earn a viable living and be associated to the wider world, charitable them a real option among the usual route of migration to a city, or life in a elegant village.

- elegant village associated to towns and cities from side to side information technology. Which helped in developing the village and creating a lot if opportunities of employments. And the employment generates.

- As the employment generates in a village, people don't have to migrate for employment and towards towns or urban area is reduced.

- It also migrates the population flow from urban to rural area

- As the various facilities provided to farmers, helped them to increase their yield of crop as well as their standard of living.

- And by this, the quite difficult question of suicide of farmers, got reduced.

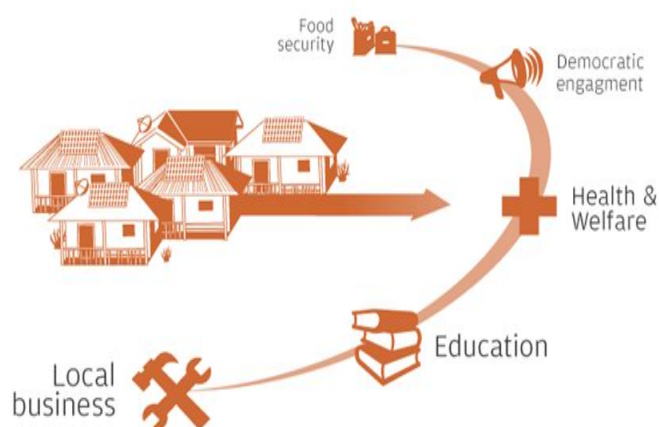
- Contribution in the national economy of the country is increased.

The human development index is a composite statistics of life expentancy, education and percaptia income. A village or the city scores higher HDI when the life span is higher, education level is higher and GDP per capita is higher .by providing the facilities in the villages like education , construction of roads and brick, irrigation system and tele medicine many more by which we can increase humanity index

III. EARLIER RESEARCH

The challenge of smart village:

unluckily it is a piece of evidence that, in the planet today, 1.3 billion folks stay behind devoid of right of entry to electricity. In adding up, 3 billion are motionless catering on hazardous and unproductive stoves. Many of them exist in isolated rural rural communities. awaiting such communities have right of entry to contemporary energy services, little development can be completed to develop their economies and recover their lives



The Smart Villages Programme

The Smart Villages programme worked in every of six areas from corner to corner the world to fetch the varied set of actors, provided that an open and

motivating surroundings favourable to generate new-fangled insight into how to embark upon the challenge of rural community power right to use for expansion. In each region we followed-up with balancing performance include briefing meetings for plan makers, modernism competitions to produce new ideas, education courses, policy recommendation and additional workshops focusing on precise district and global priority problems. Final proceedings in the regions draw mutually lessons educated in combination with strategy makers, donors and expansion agencies, and measured next ladder

The technique Forward

Following the fruitful finish of this first period of exercises, the Smart Villages Initiative plans to take forward their discoveries, and influence the interesting worldwide base of information and system that we have amassed, to seek after the connected objectives of all inclusive vitality get to and rustic improvement. Working through a recently settled non-benefit organization – Smart Villages Research Group Ltd – we plan to concentrate on:

- Facilitating the foundation, in association, of pilot "Savvy Villages" around the globe to go about as instances of the idea and give a base to exhibiting the practical effect of this all encompassing and manageable provincial advancement approach.
- Working with inquire about accomplices around the globe to confirm the effect of the all encompassing "Brilliant Villages" advancement model, through gauge thinks about and long haul sway appraisal over numerous improvement measurements, over different SDGs.
- Provide counseling and warning administrations on vitality get to and all encompassing models of country advancement, bridling the abundance of data and the experience we have amassed through our worldwide system over the span of the previous 5 years.

IV. CONCLUSION

1. It is concluded that the villages in India are very much backward and in order to bring them at par with the urban areas, we need to make revolution in the villages and make them smarter.
2. Also the problem of debt ridden farmers who are committing suicide will be solved to a greater extent with the increase in the income of the people at village level itself.
3. This is also necessary to uplift the living standards of the commons in the far flung remote villages of the country to speed up the economy.