

## **TRANSFORMATION OF VILLAGE THROUGH S & T INTERVENTIONS (SMART VILLAGE)**

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Submitted to	:	DST, GoI
Duration	:	2 years

Globalization, liberal and open market economy have completely transformed nations and metropolis. It is unfortunate that villages have not been able to keep pace with these transformations. Science, Technology, information and communication networks have not fully benefited the villages which remain neglected and under-developed. With this vision,

KSCST proposes to adopt a gram panchayath/ village in Yadgiri district and a village either in Bangalore Rural or Ramanagara district to showcase the potential of S&T interventions in converting a backward village to a sustainable village. Yadgir is also an aspirational district which is poor in health, education, skill development, etc. So, the idea is to transform the village in to a "smart village". Smart village is a village having a decent quality of life with basic infrastructure and a clean and sustainable environment and applications of S&T solutions.

The driving motivation behind the concept on "Smart Village " is that the technology should act as a catalyst for development, enabler for education, foster local business opportunities, improving health and welfare, enhancing democratic engagement by digitization and overall enhancement of rural village dwellers. The "Smart Village " concept aims to realize its goal through providing policymakers with insightful, bottom-up analyses of the challenges of village development. This project is the joint initiative of KSCST and DST-GOI.

The proposal aims to serve the following:

- Climate smart agriculture
- Good health & well being
- Quality education
- Clean water & sanitation
- Affordable & green energy
- Skill development & livelihood
- Zero hunger
- No poverty

The objectives of the project are:

- Sustainable model for appropriate use of resources and resilient technologies in rural areas.
- Environment - friendly, Technology - powered and Skill - driven process to address issues related to
  - Agricultural practices
  - Safe drinking water and sanitation
  - Adequate power
  - Quality education through e - learning
  - Poverty, hunger and nutrition
  - Skill development, market linkage and livelihood