

Key Indicator - 7.2 Best Practices (30)

Title of the Practice 1

Enriching ecosystems: A crying need for sustainable development

Objective of the Practice

In order to translate the idea of "Think globally and act locally" to be in synchrony with UNDP and NTU having, the university aims to create the existing environment to match with geographical conditions of the region. The university has evolved a strategy to overcome the difficulties arising out of *climatic change* and *degradation of bio-diversity* with *creatively filling water* within the region. This will fulfill the objective of bringing about the change in quality of life. Towards this being this this work has been initiated in the first phase where the University is working on water resource management.

The Context

In the context of sustainable development goals, it has become imperative for us to formulate a strategy of nurturing our ecosystem. The university has to draw a roadmap of its future development keeping in mind the principles which underlie the fulfillment of needs of current generation without compromising the needs of posterity. It also envisages to strike a balance among economic growth, environmental care and social justice. Being heavily alive to the locational factors of the university and *creatively filling into eco-friendly green area*, the university has made *particular phase towards* *enriching* *depleting water table* and *conserving bio-diversity* with a motto "Live Green, Breathe Green, Go Green".

The Practice

- **Zero discharge water system** - not a single drop of water goes out of the campus. A perfect mechanism is developed for recycling of used water through sewage treatment plant for reuse of water and maintaining eco system.
- **Rain Water harvesting** for sustainable development and conservation of ecosystem.
- A huge capacity reservoir to store rain water for multipurpose use.
- **Day light conservation** - Whereas 80% of living area has been covered by Day light as prescribed in NBC 2005, construction throughout the campus are deliberately designed to utilize more of the day light, in turn, limiting the use of electricity.
- **Double tempered glass** in *multiple every environment* inside the rooms, thus reducing electricity consumption and save the environment with a tag line **"low consumption low emission"**.
- **Smart meters** (the CIBT) on the roof to *monitor the temperature*. There is use of heat meters (the university has capped the electricity use to a huge extent).
- To promote Green Energy- Solar Light installed in the campus.