

# Anveshana – 2017-18

Theme for Telangana & AP

**Innovation**

**For**

## **Sustainable Development Linked To Traditional Knowledge**

### **Preface:**

A universally accepted definition of sustainability remains elusive because, it needs to be not only factual and scientific, but a clear statement of a specific “destination” needs to be employed. The simple definition of "sustainability is improving the quality of human life while living within the carrying capacity of supporting eco-systems". Though this is broad, it conveys the idea of sustainability having quantifiable limits. (<http://en.wikipedia.org/wiki/Sustainability>).

“Traditional knowledge” is employed to mean knowledge, innovations and practices of indigenous and local communities embodying traditional life-styles; the wisdom developed over many generations of holistic traditional scientific utilization of the lands, natural resources, and environment. It is generally passed down by word of mouth, from generation to generation. Traditional knowledge is valid and necessary, and awaits its currently relevant wider application for human benefit.

Under this theme, Anveshana aims to provide a platform for all budding innovators to conceptualize working models and proof of concepts encompassing the following focus areas with cost effective technologies:

## **Focus Areas**

### **1. WATER:**

- a. My Solution to the “National Mission for Clean Ganga” Challenge
- b. Conservation of water resources
- c. Water Management
- d. Prevention of water borne disease

### **2. AIR:**

- a. Air pollution
- b. Assessment of air quality
- c. Minimizing the hazards of Green Houses Gases
- d. Prevention of air borne problems

### **3. FOOD:**

- a. The “Maggie” story, testing of safety of Food
- b. Processing, Storage & Distribution of Food
- c. Food as Medicine, Balanced Diet & Nutrition
- d. Food borne illness

### **4. ENERGY:**

- a. Energy Efficient Engines
- b. Green Buildings
- c. Energy Conservation and Audit
- d. Renewable/Unconventional sources of energy

### **5. SOIL EROSION & DEGRADATION**

- a. Technologies for monitoring and control of Soil erosion
- b. Prevention of landslides (Uttarakhand Disaster-2013)
- c. Soil quality

### **6. SWACCH BHARAT (SUSTAINABLE WASTE MANAGEMENT):**

- a. New Measures to **RRR**; R-Reduce, R-Reuse, R-Recycle
- b. Waste to Wealth
- c. E-Waste and its integration to traditional knowledge
- d. Rejuvenation of Dead Lakes
- e. Solution to Bellandur Lake problem using inputs from traditional knowledge

