



# IBT

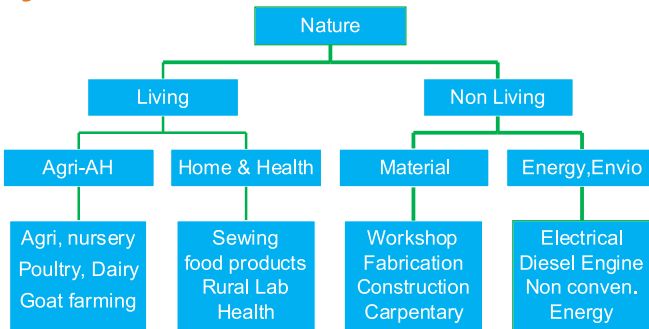
## Introduction to Basic Technology (IBT)

### IBT Program

- Implemented in formal schools from class Vth-Xth std
- Students learn by 'Learning While Doing' methodology for 1 day in a week
- Instructors from the community works as a 'Honorary Teachers' !
- Schools provides services to community
- School have basic tools and facilities (workshop equipments).
- Activities selected in the schools are linked to the curricular areas in the schools. The program aims for 'Work centered Education'. Students learns different cross curricular areas while participating in 'work' activities.



### Syllabus



### Benefits of the program

- 1) Improving understanding in curricular subjects.
- 2) Increase in enrollment & attendance.
- 3) Students get better idea of their preferences for future vocation.
- 4) School becomes happening place.
- 5) Community gets services.

### Spread

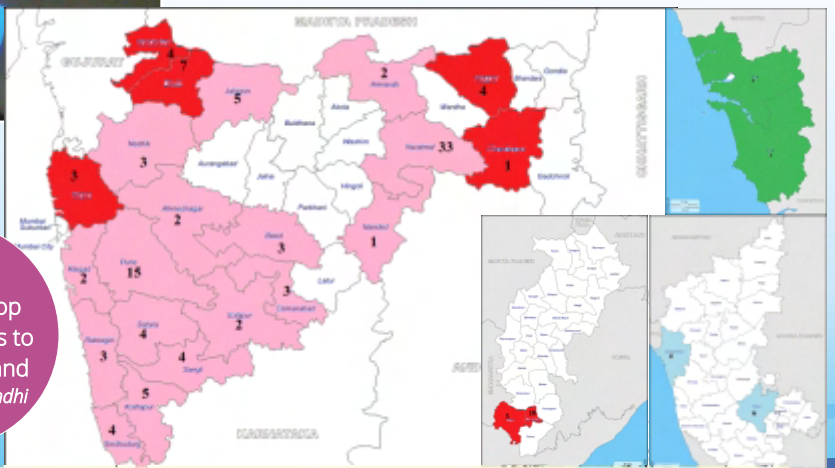
The program is implemented in 122+ schools & 7000 students in Maharashtra, Chhattisgarh & Karnataka. The program is recognized as a subject by educational dept Maharashtra for Xth std examination



### Training & Content

- VA Provides training to instructors and school teachers
- VA has developed Manuals, Books, Videos on IBT Program
- Open Educational Resource (OERs) on IBT are Available on [www.learningwhiledoing.in](http://www.learningwhiledoing.in)

Quickest way to develop intelligence is to activity to hand  
-Mahatma Gandhi



# IBT



## Introduction to Basic Technology (IBT) Program

### Technology Based community services

#### Agriculture / Animal Husbandry

- Drip irrigation, Sprinkler, Mulching
- Vermi composting, Vermi wash
- Nursery techniques, Humidity chamber, Seedling Tray, Rice cultivation
- Estimating feed requirement of animal, Silage, Azolla culture, Vaccination of animal, Poultry
- Feed concentrate for animals
- AQUA Portal, Weather SMS
- Pest control, Soil testing, Water testing
- Mosquito control (Gappi Fish breeding)



#### Energy - Environment

- Electrical wiring, LED lighting, Earthing, Inverter, Pedal power
- Soak pit, Watershed, Check dam construction
- Solar cooker, Biogas, Smokeless stove
- GPS, Computer applications



#### Engineering

- Workshop technique, Fabricating Different Agriculture tools, Bamboo treatment
- Sanitation - Toilets, Plumbing
- Construction, Ferro cement, Ventilation, Low cost housing



#### Food Processing

- Food preservation
- Drying of vegetables, Solar drying
- Medicinal plant cultivation
- Healthy diet, Soya milk, Blood testing

