

Presentation to Government of Maharashtra

22nd February, 2008



The M.Tech. (Technology and Development) program
Centre for Technology Alternatives for Rural Areas.
IIT-Bombay.

CTARA

CTARA: **Centre for Technology Applications for Rural Areas** was started in 1985 as an academic center of IIT Powai.

Basic Objectives:

- To develop technologies for region-specific needs, and with a planning perspective.
- To archive and disseminate information on such technologies.
- To analyze the impact of technology and development on such regions.

Region of interest: **Konkan** for its proximity.

The M.Tech. (Technology and Development) Program

Objectives

- Training

- ▶ To work at the interface between technology and development
- ▶ Through course and field work, develop skills for resource-based, region-specific technology planning and implementation
- ▶ To train in the use of quantitative and qualitative, analysis and research methods

- Research

- ▶ Projects, Studies and Plans

The CTARA M.Tech. Program - Outline

- **Full-time students:** 2 years, i.e., 4 semester long course.
- **Part-time students:** 3 years, i.e., 6 semester long course.
- 8+ courses, 1.5 semester of **M.Tech. Project.**
- Wide range of relevant electives offered institute-wide and by CTARA.
- 10 weeks of field work in summer.

M.Tech. Program - Courses

Resources

- Watershed Management;
- Soils, Land Use, GIS and Agriculture;
- Energy Sources & Their Utilization;

Perspectives

- Development Theory and Policy in Indian Context;
- Public Policy & Governance in T & D;
- Appropriate Technology;

Methods

- Social Science Research Methods & Systems Dynamics;
- Project Management & Analysis;

Electives

- Ecology & Environment;
- ICT for Socio-economic Development;
- Agro-Based Industries Design and Case Studies;
- and many others..

The CTARA M.Tech. Program - Faculty

Core Faculty

- Prof. A. W. Date (Head)
- Prof. A. Rao (Energy and Climate Change)
- Prof. N. Shah (Food and Agri-industry)
- Prof. S. Wagle (Policy and Governance)
- Profs. Solanki, Kedare (Energy Sc. & Engg.)
- Profs. Trivedi, Parthasarathy, Narayanan (Hum. & Soc. Sc.)
- Prof. Nageswara Rao (School of Management)

Associated Faculty

- Profs. Eldho, Jothi Prakash (Civil)
- Prof. Sohoni (CSE)
- Prof. Adinarayana (CSRE)
- Prof. Venkateswaran (IEOR)

Admissions

The program is open to candidates with any of the following qualifications:

- B.E. / B.Tech. (Any branch, incl. Agriculture)
- B.Arch.
- M.Sc. (Physics, Chemistry, Agriculture)

Furthermore,

- Valid GATE score required for TA category
- Candidates with two years experience in development related work and appropriate qualification may be considered for sponsored/ self-finance category
- The tentative date for test and interview: May-June, 2008

The final selection would be based on qualifications, GATE score (for TA), written test and the interview.

Thank you.

