Continuing Education and QIP at IIT Bombay

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Professor-in-Charge CE & QIP
Broad Objectives

- To assist *working professionals* in widening their knowledge base and improving their skills
- To help make the Indian industries globally competitive, by providing training in critical and cutting edge areas
- To promote strong industry-institute interaction and open new areas of cooperation leading to research collaborations
- To improve the skills of a large number of *faculty in various technical institutions* across the country, to enable them to improve the quality of the trained manpower coming out of such institutions.
- To seek National and International *partnerships* in knowledge creation and its dissemination worldwide
CE & QIP Activities

**Structure of Programs**

- **Open Programmes**
  - Short & long term courses on topics of general interest to the industry

- **In-House Programmes**
  - Short & long term courses run exclusively for a specific company or organization

- **Short-term Courses for academic faculty**
  - Career advancement of faculty from AICTE approved institutions under QIP

- **Postgraduate Courses for Industry Professionals and Academics**
  - Slow-paced and leading to a grade certificate / degree

- **Overseas Courses & Foreign Participation**
  - Conducted overseas and similar to “in-house” programs
Some statistics – IITB Professional Development Courses

**Professional Development Statistics**
(Number of courses)

![Graph showing the number of courses from 2010-11 to 2015-16.]

**Professional Development Statistics**
(Participants)

![Graph showing the number of participants from 2010-11 to 2015-16.]

Changing requirements of professional development

- Societal problems becoming more inter-disciplinary
  - Silo offerings are not adequate; need integrated course content

- Energy, Environment, Security, Infrastructure, Healthcare becoming increasingly important
  - Engineering, technology, policy content is needed

- Global nature of problems to be addressed
  - Collaborative approaches to leverage best practices

- Coverage needs to be tailored to specific industry needs
  - Carefully structure programs to meet competency development requirements

- Leverage improved methods of pedagogy delivery & reinforcement
  - Web based platforms and other outreach methods
Interfacing with government initiatives

GLOBAL INITIATIVE OF ACADEMIC NETWORKS (GIAN)

Upcoming Course
Population Health Promotion: An International Perspective
from 29-Aug-2017 at Panjab University
TEQIP : World Bank assisted project in Technical Education (Phase III: 2017-2020)

Centre approves Rs. 36 bln for Phase-III of TEQIP

Will focus on low income, hill and northeastern states
Possible Activities

- **Improvement in Teaching, Learning and Research Competence**

  **Faculty and staff training**
  - Enhancing knowledge and research competence
  1. Subject upgradation and research competence
  2. Continuing Education Programmes (CEPs)
  3. Pedagogical Training

- **Increasing capacity for postgraduate education and establishing research**
FDP via Short-term Courses by IIT Bombay Faculty

- Engineering and Technology
- Sciences
- Humanities and social sciences
- Interdisciplinary
- Entrepreneurship and start-ups
- Business Management and Leadership
- Energy and Green Technologies
IIT Bombay’s Outreach:
Bringing the IIT Experience to the Community at large…