Course 4- Applications of biotechnology and its regulation

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| A. Name of the Institute | The Energy and Resources Institute (TERI) |
| B. Name/Title of the Course | Applications of biotechnology and its regulation |
| C. Course Dates with Duration in Weeks  *[note: dates may be fixed keeping in mind festivals, holidays, weather conditions, availability of accommodations, etc. No request for change in dates, once approved/ circulated will be entertained]* | **28-11-2016 16-12-2016 , 3 weeks** |
| D. Eligibility Criteria for Participants  1. Educational Qualifications  2. Work Experience required, if any  3. Age Limit  *[note: ITEC norms is 25-45 years]*  4. Target Group *[Level of participants and target ministries/departments etc. may be indicated]* | Bachelors; preferably Masters  2years  25-45 years  4) Both Governmental and Non governmental participants |
| E. Aims & Objectives of the Course | Capacity enhancement of stakeholders from developing countries on different dimensions of biotechnology applications and regulations |
| F. Course Contents / Syllabus *[please attach course details / profile in Word Format for uploading on ITEC website]* | * + - General overview: What is Biotechnology     - Introducing traditional biotechnologies     - In vitro method of cloning     - Rooting of shoots     - Biopesticides & Biofertilizer     - Plant Tissue Culture in agriculture     - Molecular Markers for DNA Fingerprinting and Molecular Breeding     - Visit to Micro propagation Technology Park/Forestry, Fermentation R&D Centre     - Human medical science     - Livestock biotechnology     - Regulatory guidelines     - Visit to Pantnagar University, Supi agriculture farms     - Biosafety     - Bioinformatics     - Biofuels     - Visit to biofuel demo units, biopesticide pilot plant, bionanotechnology lab |
| G. Mode of evaluation of performance of the participants | Class Participation during the course; A short report or presentation from the participant summarizing the learning from the course |