

WHITE PAPER ON NETWORK OF BIOTECH CAPACITY BUILDING CELLS [N-BT-CBCS]

Prelude:

Creation of world-class manpower that can stand the competition at regional, national & international level can prove to be an asset to the nation needs no further emphasis. Most of the premium institutes of Research, Education, and Profession in the field of Biotechnology have stringent norms and /or examinations, designed to assess and evaluate the Subject Expertise, Eloquence, Dexterity and the Grit of the student. Unfortunately, not many students from the state have been able to prove their mettle. Earlier efforts of this organization towards training the students to stand the National Competition have yielded encouraging results.

Philosophy of the Concept:

Taking cues from previous activities in this respect by this office and the responses had; with an objective of integrated capacity building exercise for the students; it has been visualized to develop a Network of couple of Capacity Building Cells in different regions of the state, probably lodged in Under-Graduate Colleges and undertaking rigorous year-round training & orientation programmes towards creation of such competitive manpower. Each cell shall act as a regional centre catering to the needs of the fraternity, at large.

Modus operandi:

A couple of centres shall be identified through-out the state, to develop **Capacity Building Cells in Biotechnology [BT-CBC]**. Each centre shall, on the basis of the blue-print

developed by this office inclusive of all desirables such as the course of training inclusive of syllabus, timelines, nature of guest-lectures, etc., shall arrange for capacity building lectures, guest-lectures, weekly progress-assessing tests, aptitude tests, mentoring sessions, Group Discussions and develop a collection of resources for the purpose. Each centre, acting as a regional centre, shall invite enrol a finite number of students, on the basis of guidelines issued by this office and as per the advice of an **Advisory Board** formed for the purpose. This advisory board may include professionals & teachers of relevance, be chaired by member from this office and operated by a Senior Faculty of the identified Centre acting as the Coordinator of the BT-CBC, who will be responsible for the overall supervision, implementation and coordination.

Role of the State Government:

The State Government - through its arm for Biotech Development -Gujarat State



Biotechnology Mission [GSBTM] under the aegis of Dept. of Science & Technology aims to support this initiative through limited funding, mentoring – especially through the Advisory Board to be formed for each cell; networking & resource sharing.

Role of the Partnering Organization:

The Partnering organization shall form a cell – Biotech-Capacity Building Cell [BT-CBC] that shall act as a Regional centre dedicated for capacity building activities in the field of biotechnology (as the umbrella science) for the students of that region. Each cell would be needed to undertake various activities with a higher vision of building world-class manpower needed to fuel the industry. The ambit of activities of each cell, on the basis of the blue-print developed by this office, shall include arrange for capacity building lectures, guest-lectures, weekly progress-assessing tests, aptitude tests, mentoring sessions, Group Discussions and develop a collection of resources for the purpose. These activities will be gradually taken up, depending upon the response and interest. *Each of these cells*

should have expertise in different science subjects as tested in various national competitive examinations. Having infrastructure inclusive of Seminar Hall, LCD projector, etc. shall be an added advantage. For the current year, a week-long Crash programme has been envisaged by each cell between April 2010 Week III and May 2010 Week I/II. The plan for the next academic year would be rather comprehensive.

Selection Parameters

Selection shall depend upon the expertise that one is bringing as also the infrastructure, experience and the interest.

Who can Partner...?

Any University Department or College engaged in teaching of Biotechnology or allied subjects; especially under-graduate teaching; and having the requisite expertise can partner to form a BT-CBC. The selection will be made on the basis of the infrastructure offered, expertise and the experience of the partner.

How to Partner:

The applicant can download a format prescribed for the purpose from the website of GSBTM: <http://btm.gujarat.gov.in/index.asp>

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