

GUIDELINES FOR BT FINISHING SCHOOLS

Biotech Industries in the State have repeatedly represented to the Government that there is a severe shortage of Industry-ready Graduates and Post Graduates to meet the growing demand of the Biotech Industries. Several rounds of discussion were held with Industry Representatives, ABLE and Members of the Biotech Vision Group to set right the above lacunae.

In the Millennium Biotech Policy-II, Government of Karnataka has announced that, to begin with, 10 BT Finishing Schools will be established in the State with appropriate course content and duration to equip graduates and post-graduates, with necessary employable skills to make them industry-ready.

The following guidelines and eligibility criteria have been fixed for establishment of BT Finishing Schools:

1.Subject Areas:

1. Fermentation and Bioprocessing.
2. Cellular and Molecular Diagnostics.
3. Protein Expression & Scale up
4. Biosensors & Medical Devices
5. Nutraceuticals and Food Processing
6. Plant Genetic Transformation, Genome, Seed & Marker Analysis
7. Bioinformatics & Rational Drug Design
8. Pre-clinical, Clinical Research, Biostatistics and Data Management
9. Plant tissue culture and Micro Propagation

The Following shall be mandatory subjects in all the options from 1 to 10 shown above.

- a) Documentation/Data Analysis and Communication Skills
- b) Any other latest research pertaining to Nanotechnology & Clinical Research

Good Manufacturing Practices (GMP) and Good Laboratory Practices (GLP) Topics would be included in the curriculum for the above subject areas mentioned at Sl.No.1,2,3,4 and any other relevant areas.

The academic institutions wishing to participate in BT Finishing School Programme should select upto three of the subject areas mentioned above and elicit support of relevant industry partners.

2.Duration of Course:

Total duration: 12 months:	1. Course work : 6 months
	2. Internship : 6 months

3.Recognition and Accreditation:

The BT Finishing Schools will have to seek recognition from ABLE and accreditation from a recognized University.

4.Criteria for Admission of Students:

The Finishing School may admit students who have acquired any one of the following academic qualifications: (Minimum :50% marks)

- i) Bachelor or Master Degree in Bio-Technology/ Bio-Science Agriculture/Veterinary Science/ B.Pharma/M.Pharma/M.B.B.S.
- ii) B.E/B.Tech in Chemical Engineering/Biotechnology/Bio Medical

5.Fee Structure:

Fees for the 12 months' programme shall not exceed Rs.50,000/- per student.

6.Criteria for Short-listing and Selection after Oral Presentation:

The academic institution should be in the field of education. The Institution can submit a proposal detailing the syllabus to be followed, faculty and infrastructure available for the programme to be conducted meaningfully. Final selection will be made by a Sub Committee of the Vision Group on Biotechnology based on the submitted proposal and presentation by the Academic Institution to the Sub Committee.

7. Faculty:

- i) There should be minimum of one faculty member holding Ph.D in the relevant subject, preferably as the Academic Head of the Biotech Finishing School, with a minimum of 5 years of experience in the field.
- ii) There shall be at least 2 faculty members with a Qualification not less than Masters Degree in the relevant subject, with a minimum of 3 Years Experience.
- iii) Experts from the industry may be engaged as Guest faculty for giving guest lectures, according to requirement and payment shall be made by the BT Finishing School, based on industry standards (To be fixed by ABLE).
- iv) Other technical staff like Lab Technicians, Lab Assistants etc., shall be as per the requirements of the Finishing School.

8.Monitoring the Competency:

ABLE will monitor the functioning of the BT Finishing School. ABLE will evaluate and assess on a regular basis (once in two years) the competency of the Finishing School to deliver industry-ready students. ABLE will also ensure employment in the relevant biotechnology industry to those who have completed the course, to the maximum extent, in India and abroad.

9.Financial Support by Government of Karnataka:

Government will provide financial support to the Finishing Schools towards setting up necessary lab instruments and other technology-related gadgets and equipment required to train the students. State support will be limited to 25% of the cost, subject to a maximum of Rs.1 Crore per BT Finishing School.