Government of India
Ministry of Science and Technology
Department of Biotechnology
(HRD Division)

Skill Development Program in Biotechnology

(1) Title of Program: "Post Graduate Certificate/Diploma Program in Medical Biotechnology/ Agricultural Biotechnology/Computational Biology for Skill Development".

(2) Objective: The objective of the program is to provide high quality *hands-on* training in tools and techniques in areas of Medical Biotechnology, Agricultural Biotechnology and Computational Biology for skill development.

(3) Eligibility: As per concerned University/ Institute norms

(4) Selection of Students: National Level Written Test to be conducted by concerned University/Institute.

(5) Reservation Policy: As per GOI Guidelines.

(6) Role of DBT: DBT will provide financial support initially for three years.

(7) Who can apply: Central/State Universities/R&D Laboratories/Medical Colleges/Hospital having facilities for teaching and training programs and approved/recognized by statutory body can submit their proposals for financial support for starting courses/ support to existing courses in following areas:

(A) Medical Biotechnology:

(i) Genetic Counselling with special emphasis on Prenatal and Postnatal Diagnosis.

(ii) Molecular Diagnosis with special emphasis on Infectious Diseases, Quality Control and Assurance.

(iii) Quality Control and Testing of Recombinant Drugs/Products and Biosimilars.

(iv) Bio-Preservation, Biobanking and Downstream Applications with special emphasis on Stem Cells/Cord Blood Cells Banking and Applications.

(v) Clinical Embryology with special emphasis on Micromanipulation Techniques (IVF and ICSI).

(B) Agriculture Biotechnology:

(i) Quality Assurance and Testing of Agricultural Products with special emphasis on Recombinant Seed Testing, Tissue Culture raised Plant Materials, Dairy, Poultry and Fish Products etc.

(C) Computational Biology:

(i) Analytical Methods and Quality Assurance in DNA/Protein Sequencing.

(ii) Applications of Computational Biology: Big Data Analytics and Management with emphasis on Health Care, Drug Discovery and Clinical Trials etc.

(8) Submission of Proposal: Proposal for financial assistance for starting full time Post Graduate Certificate/ Diploma program in area of Medical Biotechnology/ Agricultural Biotechnology/ Computational Biology" courses should be submitted in enclosed DBT format (10 copies back-to-back print & soft cover page) forwarded through the Head of the Institution/University/R&D Laboratories/Medical College/Hospital. Copies should be sent to:

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Dr. Manoj Singh Rohilla
Scientist-'D'
Department of Biotechnology
Block 2, 6th Floor, Room No. 613
CGO Complex, Lodi Road
New Delhi-110003

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(9) Review of Progress of Program: Overall progress of program will be monitored by in-house annual advisory committee comprising of outside experts from teaching institutions and industries, course coordinators meeting and DBT-HRD Task Force.

Guidelines:

1. Private college / private institutions are not eligible.

2. Preconditions to get financial support from the Department of Biotechnology for post-graduate "Certificate/Diploma courses in area of Medical Biotechnology/ Agricultural Biotechnology /Computational Biology:

 a) University/Institution/R&D Laboratory/Hospital/Medical College should have minimum 4-5 core faculty/scientists dedicated for the proposed Biotechnology course for skill development. Out of these 4-5 core faculty, minimum 2 should be Biotechnologist either by qualification or by research publications during last 5 years.

 b) In addition to core faculty in coordinating department, there should be minimum 2 collaborating faculty from other departments.

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PROFORMA FOR SUBMISSION OF PROPOSAL
UNDER HUMAN RESOURCE DEVELOPMENT PROGRAM
Post Graduate Certificate/Diploma Program in Medical Biotechnology/
Agricultural Biotechnology/ Computational Biology

1. Name of the University/ Institution   :

2. Title of proposed course   :

3. Duration of the course   :

4. Objectives of the course   :

5. Number of seats per year   :

6. Mode of selection of students   :

7. Eligibility for admission   :

8. Justification for starting the program   :

9. Total cost of the proposal & duration   :

10. Collaborating departments   :
    (The program is envisaged to be collaborative, inter-departmental)

11. Name, designation, field of specialization of faculty members of participating departments   :
     in the institution and list of major publications in last five years.

12. Details of non-teaching staff/supporting staff/technical staff in department   :

13. List of existing major equipment and infrastructural facilities including laboratory   :
    space and hostel accommodation.

14. Major research grants received by proposing department   :

15. Course content   :

16. Proposed fee structure   :

17. Recognition of program :

18. Financial assistance required for program :
    (Please provide the break-up of funds under different heads required year wise with full justification). :

19. Name and address of course coordinator (Office and Residence, Telex, Fax, email etc.) :

20. Name and full address of the Vice-Chancellor/Director/Registrar with Telephone No. :
    (Office and Residence, Telex, Fax, email etc.)

21. Declaration/Certification

   It is certified that:

  a) The same project has not been submitted to any other Agency/Agencies for financial support.

  b) Necessary provision and approval of competent authority has been taken for the implementation of program in the University/ Institute.

  c) The University/ Institute agree to sign detailed MoA with DBT for implementation and management of program once approved.

  d) The Institute assumes to undertake the financial and other management responsibilities of the program.

  e) We agree to accept the terms and conditions of the funding agency.

Head of the Institution   **Course Coordinator Biotechnology**
(Signature and Stamp)   **(Signature and Stamp)**