

## SKILL VIGYAN PROGRAMME UNDER DBT STATE PARTNERSHIP

The Department has initiated Skill Vigyan Programme for providing quality hands on training in tools and techniques in multidisciplinary areas of biotechnology for entry level students (10+2 and Graduates in Biotechnology), Refresher/Faculty training in advanced and emerging areas of Life Science and Biotechnology for UG &PG Teachers and Mid-career Scientists engaged in teaching and research, enhancement of entrepreneurial skill sets among students under Entrepreneurship Development Programme and Finishing School Programme for industry ready skilled manpower in partnership with State Councils of Science & Technology in respective states. Format for submission of Skill Vigyan proposal is enclosed as Annexure-I.

There are five training components under Skill Vigyan Programme:

- i Students' Training Programme:** The target of students' training programme is to provide the skill training (fresh skilling) to 10+2 and B.Sc. Life Science and Biotechnology students. The skill courses under this category should be designed in consultation with experts of Sector Skill Councils and courses available on sector skill council's websites and approved by Ministry of Skill Development and Entrepreneurship (MSDE).
- ii Technician Training Programme:** The objective of technician training programme is to provide the training (fresh skilling) to 10+2 and B.Sc. Life Science and Biotechnology students for technical jobs at entry level in industries/hospitals/R&D laboratories/Universities/colleges etc.
- iii Refresher Course/ Faculty Training Programme:** The main objective of the training programme is to impart hands-on training (up-skilling) using modern tools and techniques in advanced and emerging areas of Life Science and Biotechnology so that the faculty/scientists can apply them in their research /teaching programmes. The number of participants should not be less than 20. The duration of the training programme should be 2 to 4 weeks (at least 14 working days). The training should be techniques oriented and emphasis is to be given on laboratory work rather than lectures. The time ratio for theory Vs practical work in a course should be of the order of 30:70 respectively. A day-to-day schedule of the course indicating laboratory exercises as well as lectures planned is to be furnished in the proposal.

- iv. Entrepreneurship Training Programme:** The objective of this programme is to develop the entrepreneurial abilities and enhance the skill sets required for entrepreneurship among Life Science and Biotechnology students and the training imparted should enable a trainee to establish his / her own enterprise. The course should be designed in a phase manner for imparting comprehensive entrepreneurship development training to students and hand holding support for setting up of MSME in well-established areas of Life Science and Biotechnology sectors.
  
- v. Biotechnology Finishing School:** The objective of Finishing School is to refine the skill sets of Biotechnology students as per industry requirements. The finishing schools are not only expected to enhance the hands on skill sets but also provide the opportunities to familiarize with the latest advancements and technologies employed in the Biotech industry. The institutions should develop linkages with concerned industries for designing the demand driven programmes for finishing school and should also align their expertise for imparting the training to Life Science and Biotechnology students in particular areas.



**Department of Biotechnology  
(HRD Division)**

**Ministry of Science and Technology  
Government of India**

**Proforma for Submission of Proposals under DBT Skill Vigyan Programme under State Partnership in Life Science and Biotechnology**

(Proposal should be submitted in prescribed DBT format one hard copy, back-to-back print & in soft cover page forwarded through the executive authority of the Institution/ Agency/Organization and soft and hard copy to be sent to: **State Nodal Officer, State Science and Technology Council of respective States.**

**(1)** Name of the Partner Institution/Organization/Agency:

**(2)** Objectives of the Skill Vigyan Programme:

**(3)** Domain wise Demand of Skilled Manpower in areas of Life Science and Biotechnology assessed by Institution/organization/agency in State for proposed programme in consultation with the concerned Sector Skill Councils.

**(4)** Facilities available in Partner institution/Centre for proposed programme:

Name of Programme	No. of Faculty and Expertise in Areas of Life Science and Biotechnology	Infrastructure Facilities	
		Physical	Equipment
Students' Training Programme			
Technician Training Programme			
Faculty Training Programme			
Entrepreneurship Training Programme			
Finishing School Programme			

- I. Infrastructure facilities including equipments available in the partner institutes.
- II. Expertise and Faculty available in Partner/Training institutions/Centres: Name, designation, field of specialization of faculty members of participating Departments of institution and list of major publications during last five years.
- III. Proposed Area/s of Training and course module, course curriculum, duration of course, eligibility for training.
- IV. Reservation Policy for selection of students: As per GOI Guidelines.

**(5) Programme and Target Group for Skill Vigyan:**

<b>Programme</b>	<b>Eligibility</b>	<b>Duration</b>	<b>No. of Seats/Annum</b>	<b>Name of Course Coordinator</b>
Students' Training Programme				
Technician Training Programme				
Refresher/ Faculty Training Programme				
Entrepreneurship Training Programme				
Finishing School Programme				

**(6) Alignment of Skill Vigyan Programme with Standards of NSDC or concerned Sector Skill Council for qualification, job roles, placement strategy, accreditation and certification (Details of Sector Council enclosed as Annexure-II).**

<b>Programme</b>	<b>Duration of Course</b>	<b>Qualification (QP) Code as per Sector Skill Council</b>	<b>Name of Sector Skill Council</b>
Students' Training Programme			
Technician Training			

Programme			
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**(7) Refresher Course/ Faculty Training Programme:**

S. No.	Title	Duration	No. of Seats/Batch	Name of Course Coordinator

**(i) Day wise Course Schedule:**

Day and Date	Time allotted for Theory /Lecture Topic and Name of Faculty	Hands on Sessions Title of Experiment and Name of Faculty	

**(8) Detailed Plan for Entrepreneurship Training Programme:**

**(i) Area of Entrepreneurship and Expertise in the Institution/Centre/Department:**

S. No.	Area of Entrepreneurship	Name of Faculty/Expertise available within Institution proposing Orientation Training Programme and Guidance for Preparation of DPR and handholding support	Name of Industry/Incubator involved in Hands on Training
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

**(ii) Phase wise Entrepreneurship Training Plan:**

**(9) Details of Proposed Biotechnology Finishing School Programme:**

<b>S. No.</b>	<b>Proposed Area for Finishing School</b>	<b>Title of Training Module</b>	<b>Industry Identified for Hands on Training/Internship/Apprenticeship</b>	<b>Demand of Skilled/Trained Manpower in Industry</b>	<b>Proposed Course Curriculum for Training Module</b>

**(10) Total cost of the Programme & duration (Recurring and Non-Recurring support required):**  
(Please provide the break-up of funds under different heads year wise with full justification).

**(11) Major research grants received by proposing Institution/agency/organization**

**(12) Proposed fee structure for each programme:**

<b>Programme</b>	<b>Fee Structure (Break up of Fee Structure)</b>
Students' Training Programme	
Technician Training Programme	
Faculty Training Programme	
Entrepreneurship Training Programme	
Finishing School Programme	

**(13) Name and address of Programme coordinator/Nodal Officer (Office and Residence, Telephone No., Fax, email, Mobile No.etc.)**

**(14) Name and full address of the Head of the Institution with Telephone No. (Office Residence, Fax, email. Mobile No.etc.)** and

**Declaration/Certification**

It is certified that:

- The same project has not been submitted to any other Agencies for financial support.
- Necessary provision and approval of competent authority of the Institution has been taken for the implementation of programme.

- c) The organization/Agency agree to sign MoA with DBT for implementation and management of programme once approved.
- d) The Institute will undertake the financial and other management responsibilities of the programme.

**Head of the Institution**

**Programme Coordinator Skill Vigyan  
Programme/State Nodal Officer**

**(Signature and Stamp)**

**(Signature and Stamp)**

**Date & Place:**

## Annexure-II

**(A) List of officers of Sector Skill Councils for consultation about Demand of Skilled/ Trained Manpower, Qualification Packs (QP), Job Roles and Certification of Skill Vigyan Training Courses:**

<b>S. No.</b>	<b>Name of Sector Skill Council</b>	<b>Name of Officer and contact Details</b>
<b>1.</b>	Life Science Sector Skill Development Council 14, Palam Marg, Pandav Nagar, Sector B1, Vasant Vihar, New Delhi, Delhi 110057 Phone: 011 4104 2408 Email: info@lssdc.in Website: http://lssdc.in	<b>Shri Ranjit Madan</b> Chief Executive Officer ranjit.madan@lssdc.in  <b>Shri Anshul Saxena</b> Senior Director, LSSSDC, New Delhi Email: anshul.saxena@lssdc.in
<b>2.</b>	Health Care Sector Skill Council, New Delhi  520-521, 5th Floor, DLF Tower A, Jasola District Center New Delhi - 110025, India Tel : 011-41017346, 40505850 Email : info@healthcare-ssc.in Website: www.healthcare-ssc.in  Website: http://www.healthcare-ssc.in	<b>Mr. Ashish Jain</b> Chief Executive Officer ashish.jain@healthcare-ssc.in  <b>Dr. Anita Singh</b> Director HealthCare Sector Skill Development Council New Delhi Email: almas.khan@healthcare-ssc.in  <b>Ms. Almas Khan</b> Executive- Standards & Membership almas.khan@healthcare-ssc.in
<b>3.</b>	Agriculture Skill Council of India (ASCI) 6th Floor, GNG Building, Plot No. 10, Sector - 44, Gurugram Haryana - 122 004 0124 4670029/ 4814673/ 4814659 info@asci-india.com https://asci-india.com	<b>Dr. Satender Singh Arya</b> Chief Executive Officer info@asci-india.com  <b>Ms Priyanka Prakash</b> Manager Agriculture Skill Council of India, New Delhi priyanka@asci-india.com
<b>4.</b>	Food Industry Capacity & Skill Initiative (FICSI) 01, 6 <sup>th</sup> Floor, Mercantile House, Kasturba Gandhi Marg, Connaught Place, New Delhi, Delhi – 110001 admin@ficsi.in 9711260230, 9711260240 Website: http://www.ficsi.in	<b>Shri Sunil K Marwah</b> CEO - Chief Executive Officer ceo@ficsi.in