



CSIR Integrated Skill Initiative

Laboratory Practices in Animal House

CSIR- Institute of Himalayan Bioresource Technology, Palampur (H.P.)

Situated among pristine environs in the lap of Dhauladhar ranges, CSIR-IHBT has a focused research mandate for sustainable development of bioresources to enhance bioeconomy in the Himalayan region. The young and dynamic team of the scientists, the technicians and research scholars works dedicatedly to discover and find solutions to new challenging problems relevant to the society. National and international collaborations further strengthen scientific interactions at a global scale. Promoting industrial growth through technological interventions is a constant endeavor and several technologies developed by the institute are transferred to industries and generated employment opportunities.

Laboratory animal models allow scientists to pursue hypotheses that are not possible to research in human. Data from these animal studies can also guide them to understand diseases and healthy effects to look for in humans. However, these lab practices are tightly regulated and monitored by central regulatory agencies. Therefore, appropriate education and training of all those engaged in these practices is essential. Hence this course has been developed to cater niche education to fulfill specific job requirements in the laboratory animal welfare sector. There is also need for trained man power that is currently not available in the area of laboratory animal science.

CSIR-IHBT invites application for ‘**Diploma in Laboratory Practices in Animal House**’ at Palampur as per details given below.

Title of the course:	Diploma in Laboratory Practices in Animal House
Duration:	4 months
Number of seats:	20 per batch
Educational Qualification	B.Sc. (Medical)/B.Pharm./ B.V.Sc.
Age group:	No age condition
Date of commencement:	2 nd Week of August
Venue of course	CSIR-IHBT, Palampur (H.P.)
Course fee	Rs. 15000/-
Residential/ Non-residential	Non-residential

Training for whom: The program is targeted to provide hands on and theoretical training to the youth (with graduate degree) in fundamental and applied aspects of Laboratory Animal

Science about animal breeding and management and other techniques in the laboratory and experimental animal facility. Individuals who desire to learn various aspects of laboratory animal science are encouraged to join the course.

Management and faculty: Faculty for the course is essentially drawn from highly skilled S&T staff of CSIR-IHBT with expertise in the area of laboratory animal science. Experts from other institutions and industries will be called to share their expertise in the form of lectures and practices.

Selection process: Depending upon number of applicants, if required suitable entrance test or interviews will be conducted. Selection procedure will judge the general aptitude of the applicants and basic knowledge in biological science.

Method of instruction: Medium of instruction will be English. However, each module of the course curriculum will be thoroughly explained bilingually viz. in English and Hindi to train and create enthusiasm among the youth from rural area. The course curriculum would be comprised of 50% Theory and 50% practical sessions.

Sponsorship: Sponsored candidates from established industries, government, public and private organizations are welcomed for their interest. In the selection modality special weightage will be provided to the sponsored candidates from established public, private organization/industries and non-profit organizations.

Salient features of the training

- 50% Theory and 50% practical sessions as per the course curriculum
- Hands on practice in Laboratory animal house and on state of the art equipments
- Lectures, assisted with multimedia aids
- Group discussions
- Visits to private and government laboratory animal house facilities
- Interactive sessions
- Assignments
- Guest lecturers from industrial experts
- Potential of placements and demand of such skilled manpower in the sector
- Contract research organizations, Pharmaceutical industries, government animal house will be approached for campus placements.

Evaluation of trainees:

Evaluation will consist of the following component

Theory Course

- A continuous assessment through assignments (20%)
- Term end examination (30%)

Practical courses

- Guided hands on training (30%)
- Unguided hands on training (20%)

Certification

Certificate will be issued to the successful candidates after successful completion of the course.