

MANPOWER TRAINED

S. No.	Manpower trained	Total number
1.	Assistant Professor	02
2.	Administrative Assistant	04
3.	Project Assistants	04
4.	PG Student fellowship	05
5.	Ph. D scholars completed their thesis with support from DBT BUILDER	11
6.	Ph. D scholars receiving support from DBT BUILDER	12
7.	PG students (M.E., M.Sc) received support from DBT BUILDER	84
8.	No. of students who attended training sessions (equipment installation/ demonstration/ workshop) under DBT BUILDER	645

Number of SC/ST/OBC category people trained

SC	ST	OBC
58	26	26



1. **Interactive Session on Computational Biology** for the M.Sc. Students and Research Scholars by distinguished Scientists from CSIR-IGIB, Delhi on **7th February 2025**. The no. of students attended the session was 60.



2. **Workshop on "Advanced Systematic Review & Meta Analysis"** for the M.Sc. students/Research Scholars/Project Assistants attended by students from all nearby colleges and depts on 13th – 15th Feb 2025. The no. of students Trained/Attended was 53.



3. **Workshop on "Stem Cell Research and Regenerative Medicine"** for the M.Sc. students/Research Scholars/Project Assistants of the Centre For Stem Cell Tissue Engineering and Biomedical Excellence, Panjab University, Chandigarh held on **17th February 2025** in collaboration with **GIOSTAR-USA** at **GIOSTAR Mohali**. The No. of students Trained/Attended was 40.



Training/ Training modules of PG/Ph.D. students

S. No	Name of training/ workshop	Date	No of student trained	Training module
1.	2-Days Workshop-cum-Training on “Flow Cytometry and its Applications in Biomedical Sciences”	06.03.2025-07.03.2025	43	Basic principle, working and operation of flow cytometry
2.	Two-day national workshop on “Microplastic and Nanoplastic pollution (MNP-2024). (co-organized with SAIF/CIL, PU, Chandigarh)	28.11.2024-29.11.2024	62	Analytical tools for detection and remediation technique.
3.	Interactive Session on Computational Biology	07.02.2025	60	Importance of AI machine learning in health sciences.
4.	Three-day workshop on “Advanced Systematic Review & Meta Analysis”	13.02.2025-15.02.2025	53	Systematic Review methodology, query and advanced search on NCBI, data framing in Meta Analysis
5	Workshop on "Stem Cell Research and Regenerative Medicine" in collaboration with GIOSTAR-USA at GIOSTAR Mohali.	17.02.2025	40	Handling and maintenance of Stem cells, Cell culture techniques, primary cell culture, stem cell therapy in patients
6	Organized a 5-day Workshop and delivered talks in Value Added Course by department of biochemistry, PU, Chandigarh	24.02.2025-28.02.2025	-	An overview of course, Evaluation of Pulmonary functions by plethysmography
7	Hands-on training on Live Cell imager	09.02.2024	14	Understanding cell morphology and dynamics in real-time, Optimizing image acquisition parameters
8	Hands-on training on Vertical Electrophoresis system	12.01.2024	9	Preparing gels, loading samples, and running safe and efficient electrophoresis experiments.
9	Hands-on training on Gel Documentation system	30.06.2023	21	Visualizing and capturing high-resolution images of DNA, RNA, or protein gels after electrophoresis.

10	Demonstration of Vacuum Oven	26.12.2023	10	Working & Operation
11	Two-days' workshop on Personality development and communication skills (co-organized with Central Placement cell)	29.01.2024-30.01.2024	69	Soft skills, personality Development, communication skills, Interview skills
12	Two-days' workshop on Molecular Techniques in Biochemistry (co-organized with Merck High-end Skill Development Programme)	14.02.2024-15.02.2024	68	Training on Gel electrophoresis, Western blotting, Quantitative PCR, and analysis
13	Hands on training on Micromanipulator with microscope and camera	29-11-2022	31	Study of early developmental stages of zebra fish, Microinjection into early zebra fish embryos
14	Training session on Controlled chamber with environmental conditions	10-03-2023	16	Learning environmental conditions for zebra fish including temperature, humidity, moisture, light and dark conditions; Zebra fish facility (rearing, handling, maintenance, and breeding of zebra fish)
15	Hands on training session on Ultra-centrifuge	13-03-2023	15	Operation and maintenance of ultra-centrifuge, change of rotors, Instrument safety
16	Hands on training session on Polytron	31-03-2023	20	Homogenization of animal tissue, preparing emulsions, etc.
17	Training session on IPA software	05-08-2022	20	Demonstration of IPA, Formatting and uploading data, interpreting results, and RNA-seq analysis in <i>IPA</i>
18	Hands on training session on Inhalation exposure system	29-11-2022	21	Inhalation exposure studies
19	Training session on Luminex Microarray System	14-08-2022	67	Handling, demonstration, understanding multiplex beads immunoassay, etc.

20	Training session on Flow cytometer	29-09-2022	6	Demonstration, handling, cell separation, etc.
21	Cold centrifuge	20-06-2022	64	Demonstration
22	Photoreactor	20-06-2022	64	Demonstration
23	Cold room	13-03-2023	13	Demonstration
24	-20 C freezer	06-09-2022	18	Demonstration
25	Incubator	30-09-2022	22	Demonstration
Total no. of students			645	