



Centre for Medical Biotechnology
Maharshi Dayanand University Rohtak
(NAAC Accredited 'A' Grade)

Strategic Plan (2018-2023)

About the Department

Centre for Medical Biotechnology established in 2011 under Faculty of Life Sciences is sponsored by Department of Biotechnology (DBT), Government of India. The selected candidates through JNU entrance examination are given a scholarship of Rs. 5000/- month by the DBT. The centre offers Masters programme in the field of Medical Biotechnology and Doctorate programme in same or related field. The centre has its state-of-the-art infrastructure and laboratory facilities. The faculty members are continuously attracting extramural funding from different scientific agencies for running various research projects. Genetic Engineering, Molecular Diagnostic, Stem cell biology and Virology are thrust areas of research of the department.

VISION

- To produce human resource having critical scientific and technical knowledge tailored to meet needs in medical problems at fundamental as well as translational levels.

MISSION

- To bridge gap between Academics and Industry by organising Seminars, workshops and Industrial visit
- Regular updation of the course curriculum to cater the needs of academia and industry
- To expose students to medical terrain through clinical training
- To develop stem cell bank

Strategic Goals

To achieve its Vision and Mission, the strategic goals of the Department are -

- Updation of the syllabus on regular basis to meet the needs of Academics and Industry
- Regular SWOC analysis based on the feedback from students, parents and teachers
- Regular scientific updation of faculty members through Faculty Development Programs.
- To publish the research work in reputed journals
- To develop stem cell bank
- Practical will be designed to equip the students to meet the industrial needs
- One to two months of clinical training will expose the students to the medical terrain

- Collaborations with other departments and Research institutes to develop interdisciplinary approach.

SWOC Analysis

Strength

- Well qualified faculty with focus on student success
- Good Infrastructure
- Well equipped laboratories and classrooms
- A diverse and vibrant student body
- A wide range of academic activities being organized

Weakness

- High dropout rates of students admitted through JNU, Delhi
- Students of rural background with weak communication skills

Opportunities

- University of Health Sciences, Rohtak in close vicinity and good connectivity with Delhi provides opportunity for the students for clinical training

Challenges

- Limited funding
- Course employability

Action Plan

Academic year 2018-19

- ✓ Conducting Seminars and workshops for keeping students and faculty upfront in medical biotechnology field.
- ✓ To apply for extra-mural grants and research projects
- ✓ Department will organize visits of students from various schools/colleges to make them aware of scope and applications of medical biotechnology

- ✓ Industrial visits will be organized from time to time to expose students to latest trends

Academic year 2019-20

- ✓ Updation of the course curriculum on regular basis to meet the needs of Academics and Industry
- ✓ Conducting outreach programs to make people aware about good health and hygiene
- ✓ Collaborations with other departments and Research institutes to develop interdisciplinary approach
- ✓ Organize extension lecture on recent topics
- ✓ To publish the research work in reputed journals

Academic year 2020-21

- ✓ Regular scientific updation of faculty members through Faculty Development Programs
- ✓ Collaboration with other institution for academic and research purpose
- ✓ To publish the research work in reputed journals
- ✓ Industrial visits will be organized from time to time to expose students to latest trends
- ✓ Organization of seminar and workshops

Academic year 2021-22

- ✓ Extension lectures of Clinicians and eminent scientists.
- ✓ Organize plantation activity on regular basis to sensitize students towards environment
- ✓ Application of research projects and publication of good quality papers
- ✓ Equip the department with updated equipments with advanced technologies

Academic year 2022-23

- ✓ Revision of Syllabi
- ✓ To develop stem cell bank
- ✓ Application for research projects and publication of good quality papers
- ✓ Organize extension lecture on recent topics
- ✓ Invite the industrial representatives in designing the course curriculum as well

Activity Calendar (2018-19)

Odd Semester begins (First & Third Sem M.Sc. Medical Biotechnology)	21-07-2018
Orientation Programme for first year students	After last counselling for admissions
Diwali Break	06-11-2018 to 13-11-2018
Internal Examination	Third Week of October
Odd Semester Ends (First & Third Sem M.Sc. Medical Biotechnology)	05-11-2018
Semester Examination	22-11-2018 onwards
Winter Break	18-12-2018 to 31-12-2018
Even Semester begins (Second & Fourth Sem M.Sc. Medical Biotechnology)	01-01-2019
Holi Break	18-03-2019 to 24-03-2019
Internal Examination	Third Week of March
Even Semester Ends (Second & Fourth Sem M.Sc. Medical Biotechnology)	30-04-2019
Semester Examination	01-05-2019 onwards
Summer Break	23-05-2019 to 30-06-2019

Calendar for Other Co-curricular Activities

- Extension lecture on “Entrepreneurship” will be organized in August,2018
- Workshop on Meditation will be organized in month of September,2018
- Department will organize school visit to popularize science amongst students in September, 2018
- Mentor-Mentee meeting will be held monthly
- Seminar/ Conferences/Workshop will be organized in the month of October/November (2018) and February (2019)
- Department will organize a educational tour to B.D Biosciences for FACS/ research institutes in October/November,2018 and February, 2019
- Two extension lectures per semester will be organized
- Inter- departmental Quiz and debate/declamation (March, 2019)
- Poster making and Innovative research idea contest (January,2019)