



LEARNING OUTCOMES

On the completion of Course, the Participants will be able to:

- 1. Understand the commercial and legal factors driving and constraining Biotechnology development.**
- 2. Understand how Biotechnology is regulated and how regulations can both limit and drive innovation.**
- 3. Learn to interpret relevant statutes, case laws and regulations pertaining to Biotechnology.**
- 4. Learn about Patents and other forms of Intellectual Property protection in Biotechnology and why they are crucial for innovation.**
- 5. Learn about Domestic and International Biotechnology policy decisions and how to balance innovation with health and environment concerns.**
- 6. Appreciate the variety of legal policy, scientific, social and ethical issues in the realm of Biotechnology.**



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MODULES

Module I Indian Legal System: An Overview

Introduction to Common Law System, Indian Legal System, Concept of Fundamental Rights, Concept of Human Rights, Hierarchy of Courts in Criminal and Civil Law, Judicial Activism, Limitations of present Legal System

MODULE II Biotechnology: Concepts and Techniques

Definition and History of Biotechnology, Fundamentals of Biology Required for Biotechnology, Modern Biotechnology and its Application, Genetic Engineering and GMOs, Human Genome Project and other Biological Data, Stem Cell Biotechnology

Module III Biotechnology: Legal and Regulatory Framework in India

Biotechnology and Environment Jurisprudence, Biotechnology and IPR laws, Biotechnology and Patent law, Biotechnology and Biowarfare, Biotechnology and Human and Animal rights, Biotechnology and International Trade law – WTO, TRIPS Agreement, Relevant International Conventions, Regulatory framework for Biotechnology in India and Comparative study with other Countries

Module IV Biotechnology: Legal, Ethical & Social Issues

Concerns related to the controversial Biotechnological developments like Genetic modification, cloning etc., Ownership of Genetically modified organisms, Safety for Human beings and Environment, Control of Genetic Information in Industry and Healthcare, Overall Pros and Cons of Biotechnology

COURSE PEDAGOGY

FORMATIVE ASSESSMENT

**Classroom discussions,
Discussion on different case studies,
Problem based assessment,
Group Discussion.**

SUMMATIVE ASSESSMENT

**Presentations, tests, project,
Regular Assessment through
exams.**

- **FINAL EXAM WOULD BE CONDUCTED BY RTM NAGPUR UNIVERSITY**
- **ATTENDANCE FOR ALL THE SESSIONS IS MANDATORY**

HIGHLIGHTS OF THE CERTIFICATE COURSE

➡ 3 CREDITS FROM RTM NAGPUR UNIVERSITY ⬅
BRAINSTORMING SESSIONS
EMPHASIS ON SKILL BASED TRAINING
DISCUSSION ON CASE STUDIES
LAB PRACTICALS
INTRODUCTION TO THE CONCEPT OF VIRTUAL LAB
FIELD VISITS

WHO CAN APPLY

- **LL.B., LL.M.,**
- **B.Sc., M.Sc.,**
- **B. Pharm, M. Pharm,**
- **B. Tech**
(Biotechnology),
- **M. Tech**
(Biotechnology),
- **MBBS**
- **Professionals**
working in Biotech
Industry with requisite
qualification
- **Research Scholars**
etc.
- **Final year students**
in the
aforementioned
faculties can also
apply.



CONTACT DETAILS

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HOW TO APPLY

- **Submit the online Registration form with appropriate details and pay the fees of Rs. 3,500/- (IN CASH) at the Cash Counter , Dr. Ambedkar College, Deekshabhoomi, Nagpur (Administrative building) between 12th Sept.-18th Sept. 2023 between 11 AM to 2 PM.**
- **Admission form is available at the Cash Counter.**
- **After the completion of Registration and payment of fees, participants will receive a confirmation mail along with the detailed schedule of the Course.**

LIMITED SEATS ARE AVAILABLE

Link for Registration form

<https://forms.gle/ZAo5aJycL6478YwA7>