

# About the Course



**CERTIFICATE COURSE**

**IN  
INTERSECTION OF  
BIOTECHNOLOGY & LAW**



**CREDITS - 3 (60 hours)**

**25th Sept. 2023  
to  
20th Oct., 2023**

**HYBRID MODE**

**FEES: RS.3,500 /-**

**LAST DATE TO APPLY**

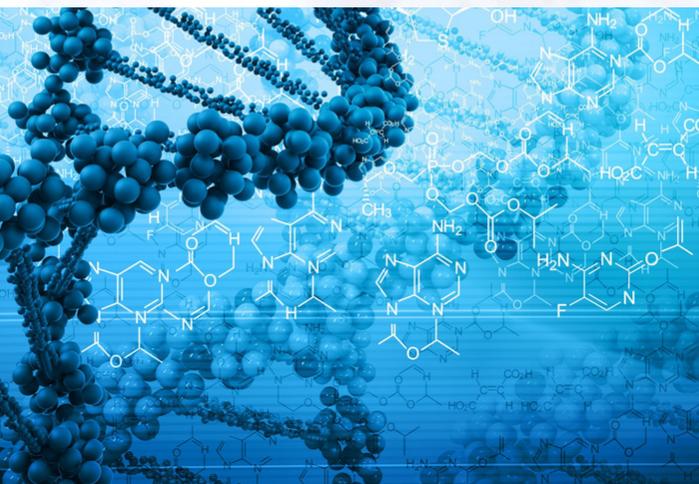
**18th Sept., 2023**

**RTMNU APPROVED  
COURSE**

**LECTURES BY EMINENT  
RESOURCE PERSONS**

**CERTIFICATE WILL BE GIVEN TO  
SUCCESSFUL PARTICIPANTS**

A Course conducted by the Department of Biochemistry and Biotechnology in collaboration with the Department of Law Dr. Ambedkar College, Deekshabhoomi, Nagpur under the Continuing Education Program (CEP) of The Department of Lifelong Learning and Extension, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.





## 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.**



## OUR EMINENT RESOURCE PERSONS



**PROF. (DR.) DILIP UKEY**  
**VICE CHANCELLOR,**  
**MNLU, MUMBAI**



**PROF. (DR.) SARASU**  
**ESTHER THOMAS,**  
**NLSIU, BENGALURU**



**PROF. (DR.) SANJAY JAIN,**  
**NLSIU, BENGALURU**



**PROF. (DR.) VARSHA**  
**DESHPANDE,**  
**DEPARTMENT OF LAW, DACN,**  
**NAGPUR**



**DR. ARTI SHANWARE,**  
**DIRECTOR AND ASSOCIATE**  
**PROFESSOR, RAJIV GANDHI**  
**BIOTECHNOLOGY CENTRE,**  
**RTM NAGPUR UNIVERSITY,**  
**NAGPUR**



**DR. DADASAHEB KOKARE ,**  
**ASSOCIATE PROFESSOR,**  
**DEPARTMENT OF**  
**PHARMACEUTICAL SCIENCES,**  
**RTM NAGPUR UNIVERSITY,**  
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## OUR EMINENT RESOURCE PERSONS



**DR. PRATIMA LOKHANDE**  
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**DR. DEOVRAT BEGDE , ASSOCIATE  
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**DR. RITA LAKKAKUL ,  
ASSISTANT PROFESSOR,  
DEPARTMENT OF  
BIOCHEMISTRY  
& BIOTECHNOLOGY,  
DACN, NAGPUR**



**DR. SWAPNIL BAWAGE  
RESEARCH SCIENTIST, DEPT. OF  
BIOMEDICAL ENGINEERING, GEORGIA  
INSTITUTE OF TECHNOLOGY AND  
EMORY UNIVERSITY**



**MR. SAGAR NERKAR,  
DIVISIONAL MANAGER,  
CENSANEXT, BENGALURU**



**ADV. CHETAN DHORE,  
LEGAL PRACTITIONER**



## OUR EMINENT RESOURCE PERSONS



**MRS. AKANKSHA TIWARI  
TRADEMARK ATTORNEY**



**ADV. RAHUL DHANDE  
LEGAL PRACTITIONER**



**MR. PRADIP HIRAPURE ,  
ASSISTANT PROFESSOR,  
DEPARTMENT OF BIOCHEMISTRY  
& BIOTECHNOLOGY,  
DACN NAGPUR**



**MR. ROHAN THAWARE ,  
ASSISTANT PROFESSOR,  
DEPARTMENT OF BIOCHEMISTRY  
& BIOTECHNOLOGY,  
DACN NAGPUR**

**ORGANISING COMMITTEE**



**PROF. (DR) MRS. B.A. MEHERE  
PRINCIPAL & COURSE DIRECTOR**



**DR. MRS. H.V. MENON  
PROF. & HEAD  
DEPARTMENT OF LAW**



**DR. U.J. DONGRE  
HEAD & ASSISTANT PROFESSOR  
DEPARTMENT OF BIOCHEMISTRY  
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DEPARTMENT OF BIOCHEMISTRY  
& BIOTECHNOLOGY  
COURSE CO-ORDINATOR**



**MS. SHAZIA BARI  
ASSISTANT PROFESSOR  
DEPARTMENT OF LAW  
COURSE CO-ORDINATOR**

## 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.**

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

### SUMMATIVE ASSESSMENT

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

### 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**  
**mentioned**  
**faculties can also**  
**apply.**



## CONTACT DETAILS

### MOBILE NO.

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**8308647553**

**MS. SHAZIA BARI**  
**9970116068**

### MAIL ID

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**shazia.bari03@gmail.com**

## 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>**