

B.Sc. Biotechnology: Semester-VI BST 606: Intellectual Property Right	
Teaching Scheme Lectures: 3 hrs/Week Tutorials: 1 hr/Week Credits: 4	Examination Scheme Class Test -12Marks Teachers Assessment – 6 Marks Attendance – 12 Marks End Semester Exam – 70 marks

Prerequisite: - Basic knowledge of biological system

Course Objectives:

1. To give basic overview of knowledge of intellectual property right of the novel res
2. To give complete knowledge about of patent of biological material or novel isolate
3. To give the complete knowledge of copyright of the research.
4. To give the complete knowledge of Concept of inventive Step in Biotechnological Inventions.

Course Outcomes:

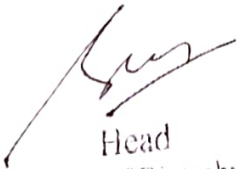
After completing the course, students will be able to:

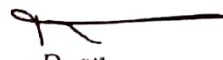
CO1: Apply intellectual property law principles (including copyright, patents, designs and trademarks) to real problems and analyse the social impact of intellectual property law and policy.

CO2: Analyse ethical and professional issues which arise in the intellectual property law context.

Detailed Syllabus:

<p>Unit-1 Intellectual property right (IPR) Introduction and the need for intellectual property right (IPR). IPR in India –Genesis and Development. Some important examples of IPR. Macro-economic impact of the patent system. Patent and kind of inventions protected by a patent. Patent document. How to protect your inventions? Granting of patent. Rights of a patent. How extensive is patent protection? Why protect inventions by patents? Searching a patent. Drafting of a patent. Filing of a patent</p>
<p>Unit-2 Copyright</p>


 Head
 Department of Biotechnology
 Invertis University, Bareilly (U.P.)


 Dean
 Faculty of Science
 Invertis University, Bareilly (U.P.)


 Registrar
 Invertis University,
 Bareilly

What is copyright? What is covered by copyright? How long does copyright last? Why protect copyright? Related rights: What are related rights? Distinction between related rights and copyright. Rights covered by copyright. Definition of trademark. Rights of trademark. Kinds of signs that can be used as trademarks. Types of trademark. Function that a trademark performs. How is a trademark protected? How is a trademark registered? How long is a registered trademark protected for? How extensive is trademark protection? What are well-known marks and how are they protected? Domain name and how does it relate to trademarks?

Unit-3 Intellectual Property Protection in biotechnology

Rationale for Intellectual Property Protection in biotechnology. Concept of Novelty in Biotechnological Inventions. Concept of Inventive Step in Biotechnological Inventions. Microorganisms as Biotechnological Inventions. Patenting biological inventions. Patenting microorganisms. Patenting other biological processes and products. Protection of new varieties of plants. Justification for Protection. Biotechnology and International Treaties such as Convention on Biological Diversity and TRIPs, WTO, GATT Agreement, and Biosafety

Text and Reference Books

1. T. M Murray, M.J. Mehlman. 2000. Encyclopaedia of Ethical, Legal and Policy issues in Biotechnology, John Wiley & Sons
2. P.N. Cheremisinoff, R.P. Ouellette and R.M. Bartholomew. 1985. Biotechnology Applications and Research, Technomic Publishing Co., Inc. USA.
3. D. Balasubramaniam, C.F.A. Bryce, K. Dharmalingam, J. Green and K. Jayaraman, 2002. Concepts in Biotechnology, University Press (Orient Longman Ltd.).
4. Bourgagaize, Jewell and Buiser. 2000. Biotechnology: Demystifying the Concepts, Wesley Longman, USA.
5. Ajit Parulekar, Sarita D' Souza. 2006. Indian Patents Law –Legal & Business Implications; Macmillan India.



Head

Department of Biotechnology
Invertis University, Bareilly (U.P.)



Dean

Faculty of Science
Invertis University, Bareilly (U.P.)



Registrar
Invertis University,
Bareilly