COURSE TITLE	**INTELLECTUAL PROPERTY RIGHTS**
COURSE CODE	**02MB0461**
COURSE CREDITS	**2**

Objective:

1 The course is designed to introduce fundamental aspects of Intellectual Property Rights tostudents who are going to play a major role in development and management of innovative inbiological sciences.

Course Outcomes: After completion of this course, student will be able to:

1 The course introduces introduction to IPR, Patent and Industrial Design Act.

2 Introduction to Copyright, Trademark and Related rights Act.

3 Introduction to Traditional Knowledge, Geographical Indication and Plant Variety Protection Act.

4 Global scenario on IPR: WIPO, WTO, TRIPS and PCT.

Pre-requisite of course:information of technological advancement in biological field.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	0	0	30	20	25	25

Contents : Unit	Topics	Contact Hours
1	**Introduction to IPR and Patent Act** • Introduction to IPR; Overview & Importance; IPR in India and IPR abroad. • Patents: Definition; patentability criteria. • Patents: Application filing procedure and granting. • Industrial Designs: Design Patents; scope; filinginfringement; difference between Designs & Patents	8
2	**Copyright, Trademark and Related rights Act** • Introduction to Copyright, Trademark and Related rights • Copyrights:Definition; criteria, searching & filing • Trademarks: role in commerce,importance, protection,registration; • Related rights: Definition, distinction between related and copy rights	8
3	**Traditional Knowledge, Geographical Indication and Plant Variety Protection Act** • Introduction to Traditional Knowledge, Geographical Indication and Plant Variety Protection • Traditional Knowledge: Definition, protection • Geographical indications: Definition, type of goods under protection • Plant varieties; breeder's rights, protection	8

DR. GAURAV VINODBHAI SANGHVI
Digitally signed by (Name of HOD)

DR. KANTHA DEVI ARUNACHALAM
Digitally signed by (Name of Dean/ Principal)

Contents : Unit	Topics	Contact Hours
4	**Global scenario on IPR** • Introduction to WIPO, WTO, TRIPS and PCT • WIPO and its importance • WTO in global market • TRIPS agreement and PCT.	6
Total Hours		**30**

Textbook :

1 Encyclopedia of Ethical, Legal and Policy issues in Biotechnology, T. M Murray and M.J. Mehlman, John Wiley & Sons, 2000

2 Biotechnology Applicationsand Research, P.N. Cheremisinoff, R.P. Ouellette and R.M. Bartholomew, Technomic Publishing Co., Inc. USA, 1985

References:

1 Concepts in Biotechnology,, Concepts in Biotechnology,, D. Balasubramaniam, C.F.A. Bryce, K. Dharmalingam, J. Green and K. Jayaraman, University Press (Orient Longman Ltd.), 2002

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation

Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking
10.00	20.00	25.00	25.00	10.00	10.00

Instructional Method:

1 The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by white board may also use any of tools such as demonstration, virtual labs, role play, Quiz, brainstorming, etc.

2 The internal evaluation will be done based on continuous evaluation of students in the classroom in the form of attendance, assignments, presentations, verbal interactions etc.

3 Students will use supplementary resources such as online videos, ebooks, ppts etc.

Supplementary Resources:

1 https://www.youtube.com/watch?v=Bj1_z56VEJ0

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