GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Bachelor of Engineering

Level: UG

Branch:

Course / Subject Code : BE02000031

Course / Subject Name : Intellectual Property Rights

w. e. f. Academic Year:	2024-25
Semester:	2nd Semester
Category of the Course:	MOPEC

Prerequisite:	None
Rationale:	An IPR introductory course equips students with essential knowledge about protecting intellectual assets, fostering innovation, and contributing to the knowledge-driven paradigm of the twenty-first century.

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Learn fundamental concepts of intellectual property (IP), including patents, copyrights, trademarks, GIs and trade secrets	R
02	Understand Intellectual Property (IP) types and characteristics	U
03	Understand the general procedures of obtaining IPR rights	U
04	Apply knowledge of IP principles to real-world scenarios	A
05	Analyze the impact of IP on the economies	N

*Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
				Theory		Tutorial / Practical		
L	**T**	**PR**	**C**	ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
2	0	0	2	70	30	0	0	100

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Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Introduction: Concept of Intellectual Property (IP), Introduction of Intellectual Property Rights (IPRs), Significance of IP and IPR, History of IPR, Advantages & Disadvantages of IPR.	4	10
2.	Introduction to different types of IPR patents, Industrial Designs, copyrights, trademarks, trade secrets, Geographical Indications and Plant Varieties. Real world case studies highlighting the economic impact of each type of IPRs.	9	30
3.	Introduction to different IPR regulation authorities in India: Official Machinery, Controller/ Governing bodies, Powers and Functions. Filing procedure of each type of IPR in India.	5	20
4.	Introduction to WIPO & WTO, Treaties, conventions and agreements pertaining to each type of IPR 1: Paris convention, Madrid, Hague, Nice, PCT, Lisbon, Locarno, Strasbourg, Vienna Agreement, Budapest Treaty, Nairobi Treaty	6	20
5.	Treaties, conventions and agreements pertaining to each type of IPR 2: Trademark Law Treaty, Patent Law Treaty (PLT), Berne Convention, Rome Convention, Geneva Convention, Beijing Treaty, Marrakesh Treaty, TRIPS. Filing procedure of PCT application.	6	20
	Total	**30**	**100**

Suggested Specification Table with Marks (Theory):

Distribution of Theory Marks (in %)					
R Level	**U Level**	**A Level**	**N Level**	**E Level**	**C Level**
40	30	20	10		

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

References/Suggested Learning Resources:

(a) Books:

1. D.P. Mittal (Taxman Publication), Indian Patents Law and Procedure
2. B.L. Wadera, Patents, trademarks, copyright, Designs and Geographical Indications.
3. P. Narayanan (Eastern Law House), Intellectual Property Law
4. W. Cornish (Universal Publication), Intellectual Property Law
5. R.K. Nagarjan, Intellectual Property Law

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6. Ronan Deazley, Martin Kretschmer, Lionel Bently, Privilege and Property: Essays on the History of Copyright (Open Book Publishers 2010).
7. Sidney Diamond, 'Historical Development of Trademarks, (1983) 73 Trademark Representative 222.

(b) Open source software and website:
1. https://www.wipo.int/edocs/pubdocs/en/intproperty/442/wipo_pub_442.pdf
2. https://worldwide.espacenet.com/
3. https://www.wipo.int/patentscope/en/

Suggested Course Practical List: If any: Not Applicable

List of Laboratory/Learning Resources Required:
1. https://onlinecourses.swayam2.ac.in/cec20_hs18/preview
2. https://onlinecourses.nptel.ac.in/noc23_hs55/preview
3. https://www.wipo.int/academy/en/

Suggested Project List: Not Applicable

Suggested Activities for Students:

1. Read minimum three granted patents on a chosen subject and prepare a summary report.

2. Study patent filing forms.

3. Prepare a brief report on patent search engines.

4. Study design patent filing form(s).

5. Study copyright filing form(s).

6. Prepare a survey report on at least one geographical indication.

7. Collect data about patent filed in India over a period of last ten years. Analyze the data and prepare a report.

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