**Shri Vile Parle Kelavani Mandal’s**

**Narsee Monjee College of Commerce and Economics**

 **(Autonomous)**

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| --- | --- |
| Program: Bachelor of Science Honours (Information Technology) | Semester: II |
| Course: Patents and Copyrights | Code:  |
| Teaching Scheme | Evaluation Scheme |
| Lecture | Practical | Tutorial | Credits | Theory | Practical |
| Internal | External | Internal | External |
| 30 | - | Nil | 02 |  20  |  30 |  Nil |  Nil |
|   |
| Internal Component  |
| Class Test Duration Mins | Assignment& projects |  Class Participation |
|  10 Marks | 10 Marks | Nil |
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| Learning Objectives* To understand the fundamental concepts and principles of patents and copyrights including historical development
* Analyse and evaluate the requirements for patentability, including novelty, non-obviousness and for copyright protection
* Identify and analyse the infringement of patent and copyright rights
* Comprehend international issues for IPR, patents and copyrights
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| Learning Outcomes1. Analyse patentability law and apply to assess the inventions
2. Critically analyze landmark patent and copyright cases, applying legal principles and reasoning to interpret and evaluate the outcomes
3. Use ethical awareness and understanding of professional responsibilities in the field of patents and copyrights
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| Pedagogy* PPTs, Case studies, Group discussions, Classroom Activity, Videos, Research papers, News articles etc.
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**Module 1: Introduction to Intellectual Property and Patent Law** **(10)**

* **Introduction to Intellectual Property**
	+ Overview of intellectual property rights
	+ Distinction between patents and copyrights
	+ Historical development and significance of patents and copyrights
* **Patent Law Basics**
	+ Undersatnding patent system and its role in fostering patent system
	+ Patentable subject matter
	+ Patentability criteria (novelty, non-obviousness, utility)
	+ Patent application process
	+ Patent examination, prosecution, and granting of patents
	+ Legal fundamentals of patent protection for useful inventions
* **Patent Infringement and Defenses**
	+ Infringement of patent rights
	+ Defenses against patent infringement
	+ Remedies for patent infringement

**Module 2: Copyright Law**  **(10)**

* **Copyright Law Basics**
	+ Originality and authorship in copyright law
	+ Rights and limitations of copyright owners
	+ Copyright registration process
	+ Legal fundamentals of copyright protection
* **Copyright Infringement and Fair Use**
	+ Infringement of copyright
	+ Copyright infringement distinguished from plagiarism
	+ Fair use doctrine
	+ Digital Millennium Copyright Act (DMCA)

**Module 3** **(10)**

* **Contemporary Issues in Intellectual Property**
	+ Digital rights management (DRM)
	+ Open source and Creative Commons licensing
	+ Patent trolls and copyright trolls
* **Emerging Trends in Intellectual Property**
	+ Patentability of algorithms, software, business methods, medical treatments and human genes
	+ Patent and copyright issues in emerging technologies (e.g., AI, blockchain)
	+ Impact of artificial intelligence on patent and copyright law
	+ Future directions in intellectual property protection

References:

1. Goldstein, P. (2020). Copyright: Principles, Law, and Practice (5th ed.). West Academic Publishing.

2. Janis, M. D., & Nard, C. A. (2020). Patent Law (6th ed.). Wolters Kluwer.

3. Merges, R. P., Menell, P. S., & Lemley, M. A. (2020). Intellectual Property in the New Technological Age (6th ed.). Wolters Kluwer.

4. Shamnad Basheer, "The Oxford India Handbook of Intellectual Property Law" (Oxford University Press, 2015).

5. P. Narayanan, "Copyright Law in India" (Wadhwa Publications, 2018).

6. V. K. Ahuja, "Patents, Designs, and Trade Marks: A Manual of Practice and Procedure" (LexisNexis, 2019).

7. Indian Patent Office: Official website providing information on patents, patent application process, and patent laws in India. (<https://www.ipindia.nic.in/>)

8. Copyright Office India: Official website offering resources on copyright registration, copyright law, and copyright infringement in India. (<http://copyright.gov.in/>)

9. Intellectual Property India: Website of the Indian government's intellectual property office, providing resources and information on patents, copyrights, and trademarks in India. (<https://www.ipindia.gov.in/>)