23CS32AC –TECHNICAL PAPER WRITING & IPR

Course Category:	Audit Course		Credits:	0
Course Type:	Theory		Lecture-Tutorial-Practical:	2-0-0
Prerequisite:	• Knowledge in Technical Report Writing & IPR		**Sessional Evaluation:** **Univ. Exam Evaluation:** **Total Marks:**	30 70 100
Course Objectives:	**Students undergoing this course are expected:**			
	• To enable the students to practice the basic skills of research paper writing • To make the students understand the importance of IP and to educate them on the basic concepts of Intellectual Property Rights. • To practice the basic skills of performing quality literature review • To help them in knowing the significance of real life practice and procedure of Patents. • To enable them learn the procedure of obtaining Patents, Copyrights, & Trade Marks			

	Upon successful completion of the course, the students will be able to:
	CO1	Identify key secondary literature related to their proposed technical paper writing.
	CO2	Explain various principles and styles in technical writing.
	CO3	Use the acquired knowledge in writing a research/technical paper.
Course Outcomes:	CO4	Analyse rights and responsibilities of holder of Patent, Copyright, Trademark, International Trademark etc..
	CO5	Evaluate different forms of IPR available at national & international level
	CO6	Develop skill of making search of various forms of IPR by using modern tools and techniques

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UNIT-I

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Principles of Technical Writing: Styles in technical writing; clarity, precision, coherence and logical sequence in writing-avoiding ambiguity- repetition, and vague language -highlighting your findings-discussing your limitations -hedging and criticizing -plagiarism and paraphrasing .

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UNIT-II

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Technical Research Paper Writing: Abstract- Objectives-Limitations-Review of Literature- Problems and Framing Research Questions- Synopsis

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UNIT-III

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Process of research: publication mechanism: types of journals- indexing-seminars-conferences- proof reading –plagiarism style; seminar & conference paper writing;

	Methodology-discussion-results- citation rules. **UNIT-IV** **Introduction to Intellectual property**: Introduction, types of intellectual property, International organizations, agencies and treaties, importance of intellectual property rights **Trade Marks**: Purpose and function of trademarks, acquisition of trade mark rights, protectable matter, selecting and evaluating trade mark, trade mark registration processes **UNIT-V** **Law of copy rights**: Fundamentals of copy right law, originality of material, rights of reproduction, rights to perform the work publicly, copy right ownership issues, copy right registration, notice of copy right, international copy right law **Law of patents**: Foundation of patent law, patent searching process, ownership rights and transfer. Patent law, intellectual property audits
Text Books & References Books:	**TEXTBOOKS:** 1. Deborah. E. Bouchoux, Intellectual Property Rights, Cengage Learning India, 2013 2. Meenakshi Raman, Sangeeta Sharma. Technical Communication:Principles and practices.Oxford **REFERENCE BOOKS:** 1. R.Myneni, Law of Intellectual Property, 9th Ed, Asia law House, 2019. 2. Prabuddha Ganguli,Intellectual Property Rights Tata Mcgraw Hill, 2001 3. P.Naryan,Intellectual Property Law, 3rd Ed ,Eastern Law House, 2007. 4. Adrian Wallwork. English for Writing Research PapersSecond Edition. Springer Cham Heidelberg New York ,2016 5. Dan Jones, Sam Dragga, Technical Writing Style.
E-Resources:	1. https://theconceptwriters.com.pk/principles-of-technical-writing/ 2. ttps://www.ewh.ieee.org/soc/emcs/acstrial/newsletters/summer10/TechPaperWriting.html 3.https://www.ewh.ieee.org/soc/emcs/acstrial/newsletters/summer10/TechPaperWriting.html 4. https://www.manuscriptedit.com/scholar-hangout/process-publishing-research-paper-journal/ 5. https://www.icsi.edu/media/website/IntellectualPropertyRightLaws&Practice.pdf 6. https://lawbhoomi.com/intellectual-property-rights-notes/ 7. https://www.extension.purdue.edu/extmedia/ec/ec-723.pdf