

Lesson Plan & Work-done Diary for AY:2024-25, ODD Semester

Course with Code: Research Methodology & IPR / BRMK557					Faculty: Dr. Jyothi D N		Semester & Section: V	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Introduction to Course Module and Importance of Research & Development, Meaning of Research, Objectives of Engineering Research	Chalk & Talk					
2		Motivation in Engineering Research, Types of Engineering Research	ICT					
3		Finding and Solving a Worthwhile Problem.	ICT					
4		Ethics in Engineering Research Practice	Chalk & Talk					
5		Types of Research Misconduct	ICT					
6		Ethical Issues Related to Authorship	ICT					
7		Discussion	ICT					

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MODULE-2								
8		Literature Review and Technical Reading: New and Existing Knowledge, Analysis and Synthesis of Prior Art	ICT					
9		Bibliographic Databases,	ICT					
10		Web of Science (WoS), Google and Google Scholar, Effective Search: The Way Forward, Introduction to Technical Reading Conceptualizing Research, Critical and Creative Reading, Taking Notes While Reading.	Chalk & Talk					
11		Reading Mathematics and Algorithms,	Chalk & Talk					
12		Reading a Datasheet.,	ICT					
13		Attributions and Citations: Giving Credit Wherever Due.	ICT					
14		Impact of Title and Keywords on Citations, Knowledge Flow through Citation, Citing Datasets	ICT					
15		Citations: Functions and Attributes Styles for Citations	ICT					
16		Acknowledgments and Attributions, What Should Be Acknowledged, Acknowledgments in, Books Dissertations, Dedication or Acknowledgments.	ICT					

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MODULE 3								
17		Introduction To Intellectual Property: Role of IP in the Economic and Cultural Development of the Society,	Chalk & Talk					
18		IP Governance, IP as a Global Indicator of Innovation, Origin of IP History of IP in India.	ICT					
19		Major Amendments in IP Laws and Acts in India.	Chalk & Talk					
20		Patents: Conditions for Obtaining Patent Protection, To Patent or Not to Patent an Invention. Rights Associated with Patents. Enforcement of Patent Rights.	ICT					
21		Inventions Eligible for Patenting. Non-Patentable Matters.	ICT					
22		Patent Infringements. Avoid Public Disclosure of an Invention before Patenting Process of Patenting: .	ICT					
23		Prior Art Search. Choice of Application to be Filed. Patent Application Forms. Jurisdiction of Filing Patent Application. Publication.	ICT					
24		Pre-grant Opposition. Examination. Grant of a Patent. Validity of Patent Protection, Post-grant Opposition. Commercialization of a Patent. Need for a Patent Attorney/Agent, International Patent	ICT					
25		Types of Patent Applications, National Bodies Dealing with Patent Affairs. Utility Models	ICT					

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MODULE 4								
26		Copyrights and Related Rights: Classes of Copyrights. Criteria for Copyright. Ownership of Copyright. Copyrights of the Author.	Chalk & Talk					
27		Copyright Infringements. Copyright Infringement is a Criminal Offence. Copyright Infringement is a Cognizable Offence. Fair Use Doctrine Copyrights and Internet.	Chalk & Talk					
28		Non-Copyright Work. Copyright Registration. Transfer of Copyrights to a Publisher.	Chalk & Talk					
29		Judicial Powers of the Registrar of Copyrights. Fee Structure. Copyright Symbol. Validity of Copyright. Copyright Profile of India. Copyright Society.	Chalk & Talk					
30		. Copyright and the word 'Publish'. Copyrights and the Word 'Adaptation'. Copyrights and the Word 'Indian Work'. Joint Authorship.	ICT					
31		Copyright Board. Copyright Enforcement Advisory Council (CEAC). International Copyright Agreements, Conventions and Treaties. Interesting Copyrights Cases.	ICT					

32		Trademarks: Eligibility Criteria for a Trademark. Acts and Laws. Designation of Trademark Symbols. Classification of Trademarks. Registration of a Trademark is Not Compulsory. Validity of Trademark	ICT					
33		Types of Trademarks Registered in India. Trademark Registry. Process for Trademarks Registration. Prior Art Search. Famous Case Law: Coca-Cola Company vs. Bisleri International Pvt. Ltd.	ICT					

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MODULE 5								
34		Industrial Designs: Eligibility Criteria. Acts and Laws to Govern Industrial Designs. Design Rights. Enforcement of Design Rights. Non-Protectable Industrial Designs India, Protection Term.	Chalk & Talk					
35		Procedure for Registration of Industrial Designs. Prior Art Search. Application for Registration. Duration of the Registration of a Design	Chalk & Talk					
36		. Importance of Design Registration. Cancellation of the Registered Design	ICT					

		Application Forms. Classification of Industrial Designs. Designs Registration Trend in India. International Treaties. Famous Case Law: Apple Inc. vs. Samsung Electronics Co.						
37		Geographical Indications: Acts, Laws and Rules Pertaining to GI. Ownership of GI. Rights Granted to the Holders. Registered GI in India. Identification of Registered GI. Classes of GI, Non-Registerable GI.	ICT					
38		Protection of GI. Collective or Certification Marks. Enforcement of GI Rights. Procedure for GI Registration Documents Required for GI Registration. GI Ecosystem in India.	Chalk & Talk					
39		Case Studies on Patents. Case study of Curcuma (Turmeric) Patent, Case study of Neem Patent, Case study of Basmati patent.	ICT					
40		IP Organizations in India. Schemes and Programs.	ICT					
41		VTU Model QP Discussion	ICT					

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments (Individual/Group)	02		
3	Quizzes (SRS/MS Forms)	03		
4	Tutorials/ Extra classes	-		
5	Internal Assessments	03		
6	ICT based Teaching. (% of usage in Curriculum)	70%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	