

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

Lesson Plan & Work-done Diary for AY:2026-27, ODD Semester

Course with Code: Research Methodology & IPR / BRMK557					Faculty: Mrs. Dr. Pavithra A C		Semester: 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	PPT					
2		Meaning of Research, Objectives of Engineering Research	PPT					
3		Motivation in Engineering Research, Types of Engineering Research, Finding and Solving a Worthwhile Problem.	PPT					
4		Group Assignment: Framing a research problem statement	PPT					
5		Ethics in Engineering Research Practice, Types of Research Misconduct,	PPT					
6		Ethical Issues Related to Authorship.	PPT					
7		Quiz: Module 1	PPT					
8		Activity: Identifying any 5 research organizations, the type of research carried out and their research objectives	PPT					



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MODULE-2								
9		Literature Review and Technical Reading: New and Existing Knowledge, Analysis and Synthesis of Prior Art Bibliographic Databases	PPT					
10		Web of Science (WoS), Google and Google Scholar, Effective Search: The Way Forward	PPT					
11		Introduction to Technical Reading Conceptualizing Research, Critical and Creative Reading, Taking Notes While Reading, Reading Mathematics and Algorithms, Reading a Datasheet.	PPT					



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12		Attributions and Citations: Giving Credit Wherever Due, Citations: Functions and Attributes, Impact of Title and Keywords on Citations, Knowledge Flow through Citation, Citing Datasets, Styles for Citations,	PPT					
13		Acknowledgments and Attributions, What Should Be Acknowledged, Acknowledgments in Books Dissertations, Dedication or Acknowledgments.	PPT					
14		Activity: Review literature on a given topic, take notes and summarize the review	PPT					
15		Quiz: Module 2	PPT					
16		Module 2 Test	PPT					

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MODULE 3								
17		Introduction To Intellectual Property: Role of IP in the Economic and Cultural Development of the Society, IP Governance, IP as a Global Indicator of Innovation	PPT					
18		Origin of IP History of IP in India. Major Amendments in IP Laws and Acts in India. Patents: Conditions for Obtaining Patent Protection, To Patent or Not to Patent an Invention.	PPT					
19		Inventions Eligible for Patenting. Non-Patentable Matters. Patent Infringements. Avoid Public Disclosure of an Invention before Patenting	PPT					
20		Process of Patenting: Prior Art Search. Choice of Application to be Filed.	PPT					
21		Post-grant Opposition. Commercialization of a Patent. Need for a Patent Attorney/Agent, International Patent	PPT					



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22		Types of Patent Applications, National Bodies Dealing with Patent Affairs. Utility Models.	PPT					
23		Activity: Given a set of inventions, identify if they are patentable or not. If they are patentable, identify the type of application to be filed and the jurisdiction.	PPT					
24		Quiz: Module 3	PPT					



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MODULE 4								
25		Copyrights and Related Rights: Classes of Copyrights. Criteria for Copyright. Ownership of Copyright. Copyrights of the Author. Copyright Infringements. Copyright Infringement is a Criminal Offence. Copyright Infringement is a Cognizable Offence. Fair Use Doctrine	PPT					
26		Copyrights and Internet. Non-Copyright Work. Copyright Registration. Judicial Powers of the Registrar of Copyrights. Fee Structure. Copyright Symbol. Validity of Copyright. Copyright Profile of India. Copyright and the word 'Publish'.	PPT					



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27		Transfer of Copyrights to a Publisher. Copyrights and the Word 'Adaptation'. Copyrights and the Word 'Indian Work'. Joint Authorship.	PPT					
28		Copyright Society. Copyright Board. Copyright Enforcement Advisory Council (CEAC). International Copyright Agreements, Conventions and Treaties. Interesting Copyrights Cases.	PPT					
29		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, Types of Trademarks Registered in India. Trademark Registry.	PPT					
30		Process for Trademarks Registration. Prior Art Search.	PPT					
31		Case Study: Coca-Cola Company vs. Bisleri International Pvt. Ltd.	PPT					
32		Quiz: Module 4	PPT					

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

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35		Application Forms. Classification of Industrial Designs. Designs Registration Trend in India. International Treaties. Famous Case Law: Apple Inc. vs. Samsung Electronics Co.	PPT					
36		Geographical Indications: Acts, Laws and Rules Pertaining to GI. Ownership of GI. Rights Granted to the Holders. Registered GI in India.	PPT					
		Identification of Registered GI. Classes of GI.						
37		Non-Registerable GI. Protection of GI. Collective or Certification Marks. Enforcement of GI Rights. Procedure for GI Registration Documents Required for GI Registration. GI Ecosystem in India.	PPT					



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38		Case Studies on Patents. Case study of Curcuma (Turmeric) Patent, Case study of Neem Patent, Case study of Basmati patent. IP Organizations in India. Schemes and Programs.	PPT					
30		Quiz: Module 5	PPT					
40		Revision	PPT					

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	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments (Individual/Group)			
3	Quizzes (SRS/MS Forms)			
4	Tutorials/ Extra classes	-		
5	Internal Assessments	03		
6	ICT based Teaching. (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	