

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

Course with Code: RESEARCH METHODOLOGY & IPR (BRMK557)				Faculty: Prof. Likhith M L			Semester: 5 th Sem	
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		Discussion of syllabus, COs	PPT				PPT	
2		Module 1 - Introduction: Meaning of Research	PPT				PPT	
3		Objectives of Engineering Research	PPT				PPT	
4		Motivation in Engineering Research	PPT				PPT	
5		Types of Engineering Research, Finding and Solving a Worthwhile Problem	PPT				PPT	
6		Ethics in Engineering Research	PPT				PPT	
7		Ethics in Engineering Research Practice	PPT				PPT	
8		Types of Research Misconduct	PPT				PPT	
9		Ethical Issues Related to Authorship	PPT				PPT	
10		Revision	PPT				PPT	

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

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MODULE-3								
21		Introduction To Intellectual Property: Role of IP in the Economic and Cultural Development of the Society, IP Governance	PPT				PPT	
22		IP as a Global Indicator of Innovation, Origin of IP History of IP in India. Major Amendments in IP Laws and Acts in India.	PPT				PPT	
23		Patents: Conditions for Obtaining a Patent Protection, To Patent or Not to Patent an Invention. Rights Associated with Patents. Enforcement of Patent Rights. Inventions Eligible for Patenting	PPT				PPT	
24		Non-Patentable Matters. Patent Infringements. Avoid Public Disclosure of an Invention before Patenting. Process of Patenting	PPT				PPT	
25		Process of Patenting. Prior Art Search. Choice of Application to be Filed	PPT				PPT	
26		Patent Application Forms. Jurisdiction of Filing Patent Application. Publication. Pre-grant Opposition. Examination	PPT				PPT	
27		Grant of a Patent. Validity of Patent Protection. Post-grant Opposition. Commercialization of a Patent.	PPT				PPT	
28		Need for a Patent Attorney/Agent. Can a Worldwide Patent be Obtained? Do I Need First to File a Patent in India?	PPT				PPT	
29		Patent Related Forms. Fee Structure. Types of Patent Applications. Commonly Used Terms in Patenting. National Bodies Dealing with Patent Affairs. Utility Models.	PPT				PPT	
30		Revision	PPT				PPT	

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MODULE-4								
31		Copyrights and Related Rights: Classes of Copyrights. Criteria for Copyright	PPT				PPT	
32		Ownership of Copyright. Copyrights of the Author. Copyright Infringements	PPT				PPT	
33		Copyright Infringement is a Criminal Offence. Copyright Infringement is a Cognizable Offence.	PPT				PPT	
34		Fair Use Doctrine. Copyrights and Internet. Non-Copyright Work. Copyright Registration. Judicial Powers of the Registrar of Copyrights	PPT				PPT	
35		Fee Structure. Copyright Symbol. Validity of Copyright. Copyright Profile of India. Copyright and the word 'Publish'	PPT				PPT	
36		Transfer of Copyrights to a Publisher. Copyrights and the Word 'Adaptation'. Copyrights and the Word 'Indian Work'. Joint Authorship. Copyright Society. Copyright Board. Copyright Enforcement Advisory Council (CEAC). International Copyright Agreements, Conventions and Treaties. Interesting Copyrights Cases.	PPT				PPT	
37		Trademarks: Eligibility Criteria. Who Can Apply for a Trademark. Acts and Laws	PPT				PPT	
38		Designation of Trademark Symbols. Classification of Trademarks. Registration of a Trademark is Not Compulsory.	PPT				PPT	
39		Validity of Trademark. Types of Trademarks Registered in India. Trademark Registry.	PPT				PPT	
40		Process for Trademarks Registration. Prior Art Search. Famous Case Law: Coca-Cola Company vs. Bisleri International Pvt. Ltd.	PPT				PPT	

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MODULE -5								
41		Industrial Designs: Eligibility Criteria. Acts and Laws to Govern Industrial Designs	PPT				PPT	
42		Design Rights. Enforcement of Design Rights. Non-Protectable Industrial Designs India. Protection Term.	PPT				PPT	
43		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				PPT	
44		Application Forms. Classification of Industrial Designs. Designs Registration Trend in India. International Treaties. Famous Case Law: Apple Inc. vs. Samsung Electronics Co.	PPT				PPT	
45		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. Protection of GI. Collective or Certification Marks. Enforcement of GI Rights. Procedure for GI Registration Documents Required for GI Registration.	PPT				PPT	
46		GI Ecosystem in India. 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 Programmes.	PPT				PPT	
47		Revision	PPT				PPT	
48		Revision	PPT				PPT	
49		Revision	PPT				PPT	
50		Revision	PPT				PPT	

	Activity	Planned	Actual	Remarks
1	Theory Classes	50		
2	Assignments/ Quizzes/ Self-study	2 Assignment/ 5 Quizzes/Topic seminar with group assignment		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	