

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Lesson Plan & Work Done Diary for AY: 2025-26, ODD Semester

Course with Code: Research Methodology and Intellectual Property Rights – BRMK557				Faculty:			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		Bridge Course - Introduction to Research.	PPT					
2		Bridge Course – Demo on Research Paper & Project Reports.	PPT					
3		<b>Introduction:</b> Meaning of Research, Objectives of Engineering Research	PPT					
4		Motivation in Engineering Research,	PPT					
5		Types of Engineering Research, Finding and Solving a Worthwhile Problem.	PPT					
6		Ethics in Engineering Research,	PPT					
7		Types of Research Misconduct, Ethical Issues Related to Authorship.	PPT					
8		Question bank discussion & Quiz	SRS					



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



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14		Question bank discussion & Quiz	SRS					
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MODULE-3								
15		<b>Introduction To Intellectual Property:</b> Role of IP in the Economic and Cultural Development of the Society, IP Governance, IP as a Global Indicator of Innovation, Origin of IP History of IP in India.	PPT					
16		Major Amendments in IP Laws and Acts in India. <b>Patents:</b> Conditions for Obtaining a Patent Protection	PPT					
17		To Patent or Not to Patent an Invention. Rights Associated with Patents. Enforcement of Patent Rights. Inventions Eligible for Patenting. Non-Patentable Matters. Patent Infringements. Avoid Public Disclosure of an Invention before Patenting	PPT					



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18		Process of Patenting. Prior Art Search. Choice of Application to be Filed. Patent Application Forms. Jurisdiction of Filing Patent Application. Publication.	PPT					
19		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. Can a Worldwide Patent be Obtained. Do I Need First to File a Patent in India. Patent Related Forms. Fee Structure. Types of Patent Applications. Commonly Used Terms in Patenting. National Bodies Dealing with Patent Affairs. Utility Models.	PPT					
20		Question bank discussion & Quiz	SRS					



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MODULE-4								
21		<b>Copyrights and Related Rights:</b> 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. Copyrights and Internet. Non-Copyright Work. Copyright Registration. Judicial Powers of the Registrar of Copyrights.	PPT					
22		Fee Structure. Copyright Symbol. Validity of Copyright. Copyright Profile of India. Copyright and the word 'Publish'. Transfer of Copyrights to a Publisher. Copyrights and the Word 'Adaptation'. Copyrights and the Word 'Indian Work'. Joint Authorship.	PPT					





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23		Copyright Society. Copyright Board. Copyright Enforcement Advisory Council (CEAC). International Copyright Agreements, Conventions and Treaties. Interesting Copyrights Cases.	PPT					
24		<b>Trademarks:</b> Eligibility Criteria. Who Can Apply for a Trademark. Acts and Laws. Designation of Trademark Symbols. Classification of Trademarks. Registration of a Trademark is Not Compulsory.	PPT					
25		Validity of Trademark. Types of Trademark Registered in India. Trademark Registry. Process for Trademarks Registration. Prior Art Search. Famous Case Law: Coca-Cola Company vs. Bisleri International Pvt. Ltd.	PPT					
26		Question bank discussion & Quiz	SRS					



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MODULE-5								
27		<b>Industrial Designs:</b> Eligibility Criteria. Acts and Laws to Govern Industrial Designs. Design Rights. Enforcement of Design Rights. Non-Protectable Industrial Designs India. Protection Term. Procedure for Registration of Industrial Designs. Prior Art Search. Application for Registration.	PPT					
28		Duration of the Registration of a Design. Importance of Design Registration. Cancellation of the Registered Design. Application Forms. Classification of Industrial Designs.	PPT					
		Designs Registration Trend in India.						
29		International Treaties. Famous Case Law: Apple Inc. vs. Samsung Electronics Co. <b>Geographical Indications:</b> Acts, Laws and Rules Pertaining to GI. Ownership of GI. Rights Granted to the Holders.	PPT					



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30		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. GI Ecosystem in India.	PPT					
31		<b>Case Studies on Patents.</b> Case study of Curcuma (Turmeric) Patent, Case study of Neem Patent, Case study of Basmati patent. <b>IP Organizations In India. Schemes and Programmes</b>	PPT					
32		Question bank discussion & Quiz	SRS					



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	Activity	Planned	Actual	Remarks
1	Theory Classes	25		
2	Assignments/ Quizzes/ Self-study	5		
3	Tutorials/ Extra classes	7		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	



**A T M E**  
College of Engineering



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