



Department of Computer Science & Engineering - AIML

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

Course with Code: Information Retrieval –BAI515B				Faculty: Dr.KHATEEJA AMBAREEN			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: Web technology	Chalk & talk	1				
2.		Bridge Course: XML, Javascript	Chalk & talk	2				
3.		Introduction	Chalk & talk	3				
4.		Information retrieval	Chalk & talk	4				
5.		IR problem	Chalk & talk	5				
6.		IR System	Chalk & talk	6				
7.		The web	Chalk & talk	7				
8.		User interfaces for search: Introduction	Chalk & talk	8				
9.		How people search	Chalk & talk	9				



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10.		Search interfaces today	Chalk & talk	10				
11.		Visualization on search interfaces	Chalk & talk	11				
12.		Design and evaluation of search interfaces.	Chalk & talk	12				



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MODULE-2								
1.		Modeling: IR models,	Chalk & talk	1				
2.		Classic information retrieval,	Chalk & talk	2				
3.		Alternative set theoretic models,	Chalk & talk	2				
4.		Alternative set theoretic models	Chalk & talk	4				
5.		Alternative algebraic models,	Chalk & talk	5				
6.		Alternative algebraic models,	Chalk & talk	6				
7.		Alternative probabilistic models, Other models.	Chalk & talk	7				
8.		Other models.	Chalk & talk	8				



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MODULE-3								
1.		Retrieval Evaluation: Retrieval metrics, Reference Collections,	PPT	1				
2.		Relevance feedback and Query expansion: A framework for feedback methods,	PPT	2				
3.		Explicit relevance feedback, Explicit feedback through clicks,	PPT	3				
4.		Implicit feedback through local analysis, Implicit feedback through global analysis	PPT	4				
5.		Documents - Languages and Properties: Metadata,	PPT	5				
6.		Document formats, Text properties,	PPT	6				
7.		Document preprocessing, _	PPT	7				
8.		Organizing documents, Text compression	PPT	8				



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MODULE-4								
1.		Indexing and Searching: Inverted indexes,	PPT	1				
2.		Signature files,	PPT	2				
3.		Suffix trees and suffix arrays	PPT	3				
4.		Suffix trees and suffix arrays,	PPT	4				
5.		Sequential searching,	PPT	5				
6.		Multi-dimensional indexing	PPT	6				
7.		Multi-dimensional indexing	PPT	7				
8.		Multi-dimensional indexing	PPT	8				



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MODULE-5								
1.		Web retrieval: The web,	PPT	1				
2.		Search engine architectures,	PPT	2				
3.		Search engine ranking,	PPT	3				
4.		Managing web data, Search engine user interaction.	PPT	4				
5.		Structured Text Retrieval: Structuring Power,.	PPT	5				
6.		Early text retrieval models,	PPT	6				
7.		XML retrieval,	PPT	7				
8.		XML retrieval evaluation	PPT	8				



	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/Self-study	3		
3	Tutorials/ Extra classes	1		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	