O.P.Code: 20CS1117

R20

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech. IV Year I Semester Regular & Supplementary Examinations October/November-2025 RECOMMENDATION SYATEM

(Common to CAI & CAD)						
Time: 3 Hours			Max. Marks: 60			
(Answer all Five Units $5 \times 12 = 60$ Marks)			Mana. Manas. 00			
	UNI					
1	a Describe the Rule formation in KRR.	C	C O 3	L2	6M	
	b Analyse the types of Rules in KRR.		CO ₃	L4	6M	
	0	R				
2		KRR. C	CO3	L3	12M	
3			CO ₂	L2	6M	
	b Explain the application of the User-Based Ne recommendation in real-world systems.		C O2	L2	6M	
OR						
4	a Describe model-based approaches in collaboration are applied in recommendation systems.	orative filtering and how C	CO2	L3	6M	
	b Discuss one popular model-based approach	in detail, including its C	CO2	L2	6M	
	mathematical foundation.	3F	141			
5		Control of the Contro	CO3	L3	6M	
J	systems to make recommendations.			(2)		
	b How are item profiles generated and used in m	aking recommendations? C	C O 3	L2	6M	
	0					
6	a How can item features be obtained from tags?	T Shipper	CO3	L2	6M	
Ů	b Discuss the methodologies involved in leverage recommendations.	ing tags for content-based C	CO3	L5	6M	
	UNIT-IV					
7			C O 4	L2	6M	
,	b Provide an example of a system that uses constraint-based		C O 4	L3	6M	
	recommendations.				01.1	
OR						
8			C O 5	L2	6M	
O	b How do feature combination and feature	2	CO5	L2	6M	
	contribute to hybrid systems?	1				
	UNI	T-V				
9			CO6	L2	6M	
7	systems.		, ,			
	b Why is evaluation crucial for the develope	nent and deployment of	CO6	L1	6M	
	recommender systems?					
	OR					
10			C O 6	L2	6M	
10	recommender systems.	•				
	b Explain metrics such as RMSE, MAE, and pre-	cision/recall.	C O 6	L2	6M	
	- P	ale ale ale				