VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

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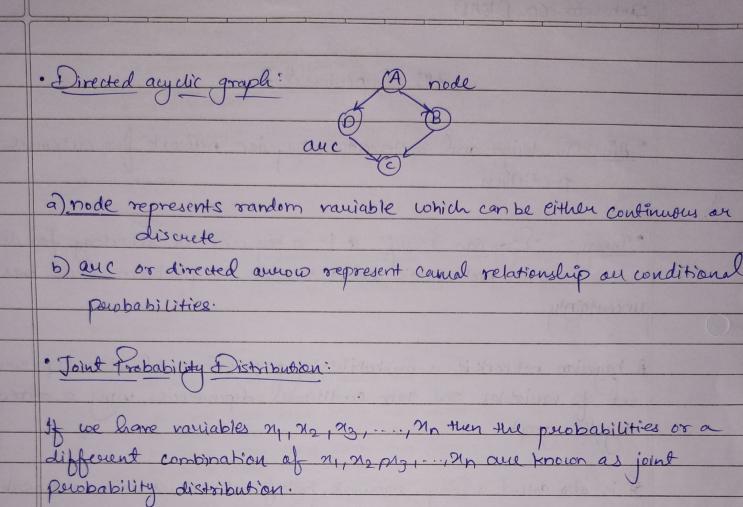


Department of Artificial Intelligence and Data Science

Subject:	AAI lab	CI	ass: DICAD	Semester: 8
Roll No.:	Name:	Daya	Shankar	Tapasmi
Eve				
Exp.	Title:			
2	To design	and i	implement	a bayesian network
DOP:			DOS:	
GRADE	A		SIGNATURE:	1 22/3

AAI - Emperiment 2

- PAins: To design and implement a bayesian network for outrouse prediction
- "Theory: Bayesian Belief: It is a key computer technology for dealing with probabilistic event to some a problem which has uncentainty.
- A bayesian network is a pershabilistic graphical model which represents a set of raciables and their conditional dependencies using a directed acyclic graph.
- It is also called a Bayes network, belief network, decision network on Bayesian model.
- Bayesian networks are posobabilistic because these networks are built from probability distribution and also use probability through fare prediction and anomaly detection.
- relationship blu multiple events, we need a Bayesian networks. It can also be used in vouious tasks including perediction, anamaly detection, diagonostic, automated insight, reasoning time souls prediction and decision making under uncertainty.
- Bayesian now can be used for building models from data and export opinions. It consist of 2 parts:



 $P[\alpha_{1},\alpha_{2},\alpha_{3},...,\alpha_{n}]$ = $P[\alpha_{1}|\alpha_{2},\alpha_{3},...,\alpha_{n}] \cdot P[\alpha_{2},\alpha_{3},...,\alpha_{n}]$ = $P[\alpha_{1}|\alpha_{2},\alpha_{3},...,\alpha_{n}] \cdot P[\alpha_{2}|\alpha_{3},...,\alpha_{n}] \cdot P[\alpha_{2}|\alpha_{2}] P[\alpha_{n}]$

"Conclusion: We have studied Bayesian belief network
and implemented the same.