	INSTITUTE OF MANAGEMENT AND RESEARCH, JALGAON
	Name Toke Pratikisha Raju
	Expt. little Lombe pam to carles late and
	Class Fymc A Batch R-4 Performed on
	Expt. No. Submitted on
	Remarks
	* Altribute Selection Measure (ASM)
	The best attribute or feature is
	- Selected using the attribute selection magin
	sure (ASM) The attribute selected is the
	root node feature.
	Asm is a technique used for selecting
	best attribute for discrimination among
	tuple It gives rank to each attribute
	and the best attribute is selected by
	Spliting Creation.
	The most popular method of selection
	are:
7 5 1	1) Information Grain:
	Information gain is decrease in
, ,	entropy Decision trees makes use of
	information again and entropy to determine
	1 P 1 - 1. colit into node to get
	closer to predicting target and also, to
	closer to premiting
	determine when to stop spliting
	Information Gain = Entropy (5) -[(weighted Avg) *
	Entropy (each feature)
2	Gini Index
	Gini Index is measure of impurity
	in used while creation a designa
Car	or purity used while creating a decision
to for:	tree in CART (classification of regression Free
ite for:	algorithm gini index can be calculated
nm hart	by using below
nme Listing	Comula
mile Eleming	Gini Todan I
ents	Gini Index 1-zjpj2
	the state of the s

3) Grain Ratio!  The gain ratio is the modifical modifical size gain. It takes into account and six when choosing an attribute after information in It takes intrinsic information in	
GRCS.A) = Grain (S.A) / Int I (S.A).	
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repeaters early fire attribute as welfor according	
all of bodgeto admitisting adli (cont.) by me	
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