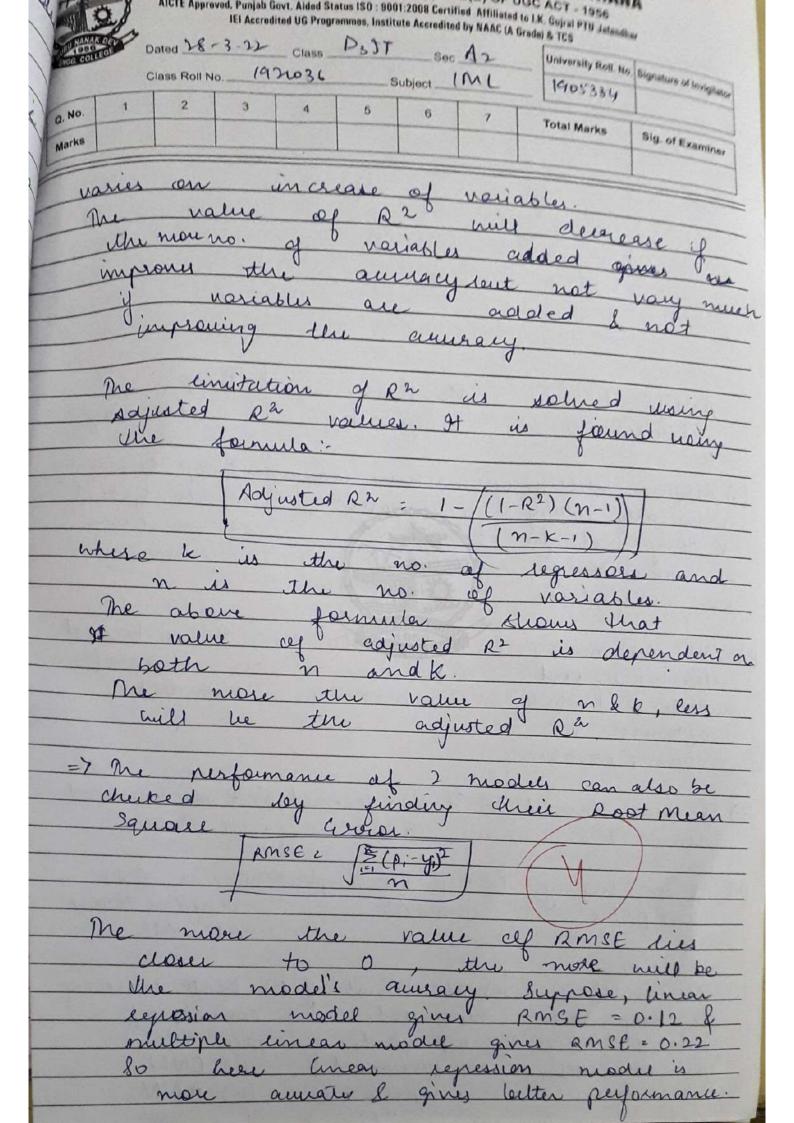
GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA Seen (AN AUTONOMOUS COLLEGE U/S 2(f) & 12(B) OF UGC ACT - 1956 AICTE Approved, Punjab Govt. Aided Status ISO: 3001:2008 Certified. Affiliated to LK. Gujral PTU Jalandhar IEI Accredited UG Programmes. Institute Accredited by NAAC (A Grade) & TCS University Roll. No. Signature of Invigilator Dated 28-3-22 class DJJT Sec A2 1405334 Class Roll No \_ 1921036 Subject IML Q. No. Total Marks Marks dry Sikit- Crain library too for machine learn classificat segued hoblens. makes their the explanations. eroject, with Machine learning Anna. Traditional Brogramming subset of (1) Traditional Programming intelligence is the normal coding we do to make a perogram which (2) In Machine learning, o) In this sugression (3) It is a probabilistic (3) It is a deterministic apperoach approach. (4) For Example: Me is used 14) how Grample: - It for making predictions, used for make assumption websites sophalis both Fraud detection. Soly

GURU NANAK DEV ENGINE disease perediction et. I non-functioned eg (i) Depidion of working - a) working deputies Input + Output Output Peogram learning is the vubset of en every aspect of of human various applications some which are as follows: -1) Social Media: - ML is very much trend in every field & social media one them Posting pictures, making Media Me gives us Social suonmendations of like menting of posts which he may en oue activities on such platform me biggest examples are belook and Instagram. (2) spiech Recognition: - Machine Cearning gines enitable grescets Google and seeve are bone using such features or even for example for searching calling someone V you want to fut have to say on any latest news we

1	GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA			
(3.)	Span filtering: This is done using machine learning me get aleasts brown geople of when we get a span mail and me also get a true caller notification with sed coloured marked as span which brokes my known to beforehand.			
	commendations sased on our searched history, like if we have searched about stationary items, it mill start opining has add of making shopping of that item and if we consider the opining it is also if we consider the start opining the sample nowadays is Netslin giving the surto were more plant genommendations.			
,	Medical Diagnosis: Me leeps in peredicting deseases. It me various parameters are given and on the basis of those parameters, we get our predictions of whether this person is suffering from that disease are not. It can also tell disease on basis of symptoms.			
(6·)	Immentary Management: - Ml holps in  predicting sales of products. Like whe  give all own previous date  and me helps us knowing  which product to is least and  most our purchased. Based on this  the owner can know which  product we should stock and in what  what quantity.			

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
(7) Self driving Cars: Companies like testa, waynes, Honda are which are self driven cars: which are based me technology. Me can their path and battom their path and battom their path and battom the fredictions: It have been stocks like
and skall of stocks besed on the premiers data.
learning models are evaluated as the basis of their annay and esselve. The most common method used for models evaluation
R2 method is the year water was part of the period with the model in more 40 suitable among all models.  The formula: 0 10 15 20 25 30 35 m  R2 = 1 - SSRES  SS total
Storal = 5 (yi - yavg) <sup>2</sup> Storal = 2 (yi - ŷi) <sup>2</sup> The SS total remains constant and is an expected by the cincarate value of the cincarate part of the c



1.1		100	2
Aus 6	Antificial		goties
	milli gente		
			hica
	/ machine		2000
	tearning	1	/ 8
	1 Deep		
	( Cearning )		pale to
	1		west to
			perch
	A1:- MHAILDL		- W
			1/
- Astificial	Machine	Deep	/3:
Mtelligen		learning	
			District
(1) Actificial note	elligence (1) nachine (e amir	y(1) Deep learning	2 His
is basically re	duing is the post	u due surveil	1/
- l doing news	lems subjet of	of mairine	1
of human ber	nge detipicial	learning.	1
in compute		7	~
	THE RESIDENCE OF THE PARTY OF T		
(2) It uses ma	my (2) It generates	(2) It is based	K
(2) It uses ma	my (2) It generates	(2) It is based	
- againns, as	ad algorithms to	on neural	
mobile and w	hole solve problems.		
mobile and w	hole solve problems.	on neural	
mobile and w	hole solve problems.	on neural	
some q pros	hole solve problems.	on neural networks:	
some q pros	hole solve problems.	on neural networks:	
mobile and w	hole solve problems.	on neural networks:	
softwares to solve a pros solve a pros in 1956.	ten.  ed 13.) It was teemed in 1980's.	B) It was terme in 2000's.	- G
softwares to solve a pros solve a pros in 1956.	ten.  ed 13.) It was teemed in 1980's.	B) It was terme in 2000's.	, ol
mobiles and is softwares to solve a prob	ten.  ed 13.) It was teemed in 1980's.	B) It was terme in 2000's.	- G
mobiles and is softwares to solve a prob	ten.  1994 is less complexe  Unam A 9.	B) It was terme in 2000's.  (4) It is less complen tha	J. d.
some q pros	ten.  1994 is less complexe  Unam A 9.	B) It was terme in 2000's.	J. d.
mobiles and wo softwares to solve a prob	ten.  ed 13.) It was termed in 1980's.  ty It is less complement of thomas A.	B) It was terme in 2000's.  (4) It is less complen tha	, d
mobiles and is softwares to solve a prob in 1956. It is higher compless.	len.	B) It was terme in 2000's.  (4) It is less compen tha	d d
mobiles and is softwares to solve a prob in 1956. It is higher compless.	ten.  1994 is less complex  Unan A9.	B) It was terme in 2000's.  (4) It is less that AI & ML.	d d
mobiles and is softwares to solve a prob in 1956. It is higher compless.	Lose solve problems.  Len.  Len.  Len.  Len.  Land B.) It was termed  in 1980's.  Lineary A.D.  Supervised,	B) It was terme in 2000's.  (4) It is less compen that AI & ML.	d d
mobile and wo softwares to solve a probe  If was been in 1956.  It is higher compless.  ML and Deep raining are sets of A I con	ed B) It was teemed in 1980's.  (5) Me consists of supervised,  unsupervised,	B) It was terme in 2000's.  (4) It is less compen the AI & ML.	d d
mobiles and is softwares to solve a prob in 1956. It is higher compless.	Lose solve problems.  Len.  Len.  Len.  Len.  Land B.) It was termed  in 1980's.  Lineary A.D.  Supervised,	B) It was terme in 2000's.  (4) It is less that AI & ML.	d d

C. C	ENGINEERING COLLEGE,	
or example to for	a asampu'-	(6) For Example:
poties es	a sample	
	and Detection,	Image Detection,
and time	edical diamonia	Traffic Up
vication of s	ram fitteration,	domain, gir
M red liceron	neine recomm-	detertion, in
but a rem	ndetion, etc	an applications
au au	in applications	of voet
win full	Marking	dearning.
stion in	Marine Learning.	1
hatel of Japan	The state of the s	1/
1000 00 100		
Simple linea		
Regression	a multiple lines	u Polynomial
- 1 91 11	Regression	Regulation
no perdict output	a It consists	1 It consists 7
ne fith maint	one depend	1 done manu
I with one was	and 2 or v	ane independent
dependent &	independent	merable must
one magen	dent voriables.	n as polynomial
variable.		degree.
huli		
1 100 y 2 bo + b, 22	42 bo+ b, x, + b29	16+ y2 bo+ b, x, +
AU	th v	n 6221 + + an 1
Junta 7 Works well	=> Works with	24 Works with
with differen	t non-linear	
dataset line	1	non linear prob.
Deadraily of Doesn't we	uk -y can lead	
hadrand for proble	ms amenfitting	
		be chosen
other than		for carefully.
linear		link a a sind
Frample => Salary = a	ot Car Pricez a	atuit ditection.
a, * Experien	re. 4, grana+	3 Mile detection.
voualisation=>	4/1	190
1111	- 1	,
9		t/4 /
1	7	+' /.
1	++++	
1	1/1	72
1/2	72	

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA Decision Tree: - 4t romists of the like

structure. It is organized.

It may read to onerfitting.

At is very interpretable.

For insure: - choice born item A & B. Randon Perst:- Made of many deinion teus.

91 May lead to many deinion teus.