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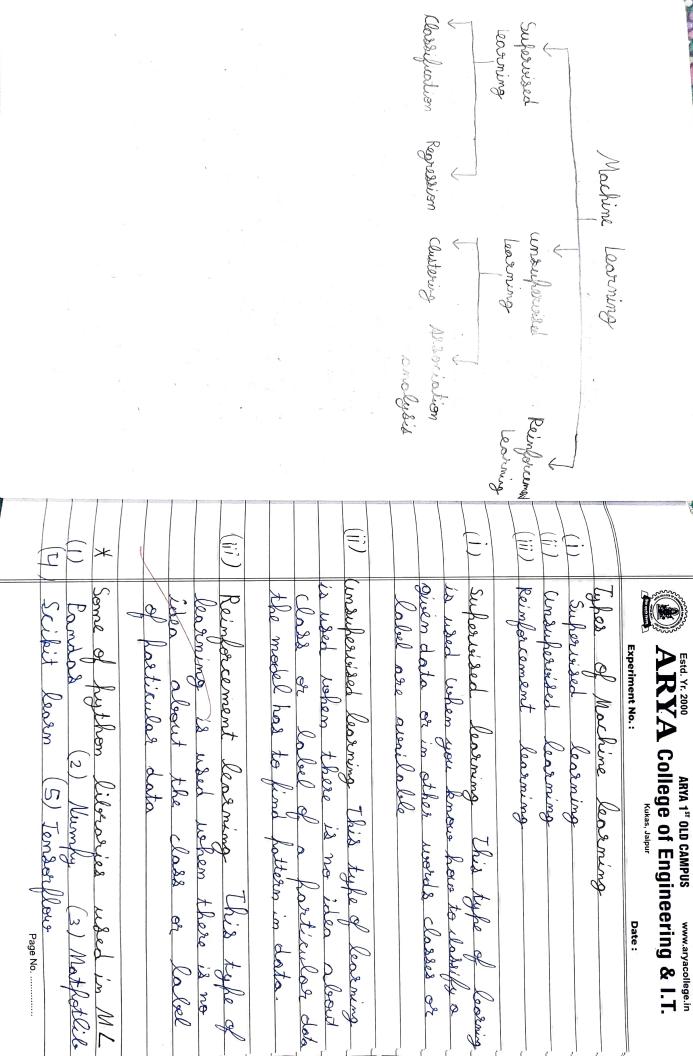
-Kukas, Jaipur

Experiment No.:

Date:

Page No.

_	Introduction to Machine learning
1	
	definition Machine learning is study of computer architectural algorithms that can improve automatically through enferience and by the use of data
	of a liter or chitertural algorithms
	1) tomputer some outematically through
	That can improve second data
	enference and by the the
_	To a to look on brown
_	It enaleles computers to season
	hatterns and make decision from
	data without being explicity
	It enables computers to learn from hatterns and make decision from data without being explicity hrogrammed
	A brook a mer builds a math module
	+b + mab inhut to output and
	Del madel with hoir of (Infut +
_	A programer louilds a moth module that map input to output and led model with pair of (Input + enhected output) to train the
	Chileron Sugar, Jan
	model
_	C i la sita hor lar manse
-	Jystem improved in providence and
	System improves its performance by learning from enferience and adjusting leased on data it encounters
	adjusting loosed on dara it entounters





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	Experiment	No.:		
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Date:

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	Python Libraries
(i)	Landas Used for data manifulation and analysis, it offers data structure like dataframes to handle structured data
	and a naturalist, it allows data structure like
- 10	dotale a mes to handle structured dota
	Cattain the Francisco Processing of the Cattain the Ca
(ii)	Number Farantial for numerical computing
	it brasides & lest lor large multi-
	Numby Essential for numerical computing it provides support for large multi-dimmensional arrays and matrices.
	COMMUNICATION DE CONTRA DE
(iii)	Mothertlik A 20 hlotting library, it
	Matflotlib A 2D flotting library, it allows visualization of data and model result wide range of interactive flots
	20 sult mide range of interactive flots
(jv)	Scikit-learn Aversatile tool for machine learning it includes tools for frefrowship classification, regression and clustering
()	leagning it includes tools for preprocessing
	classification, regresion and clustering
(Tensorflow A howerful open source
A combined	le a may got le lor all ten ming
	of neural network
	of neural network
	Le Stranger
	Page No



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1	usite a brogram	to create a data Set ing python in . CSB format
Aim_	with By entries us	ing python in CSO formal
	Source code	
	import hand	as as fid by as nf
	import num	hy as 74
	import CSV	
	1010 - 514	unidity', 'wind', 'enjoysforts')
	fielola = [time	" 1'the ' 'using' 'enjoyshorts')
	Company, 1	unisity / 5001
	Stoled = L	old, (no), 'mild' (normal' (no'))
	[morning , suning	li' (no', 'mila' (normal' 'ro']
	Chang Ching	" (moderate" 'yes' normal (normal' 'yes'
7.00	[Sund Sund	" moderate', 'yes', 'normal', (normal' 'yes') my', 'cold.', 'yes', 'high', (sterong' 'yes
	Dening, moit	
	filename = "d	ata Csu"
	- 0	
	with ohen ('do	eta. (Sb) ' lo', newline = (') of file:
		Page No

molining coming (yes) no) (yes) yes [morning Sunny woderate the mild steep] [country sound woderate the mornel would steep] [Cheming Sunny woderate the mornel would steep] time weather tempreture colony headily wind extense on swind moderate yes mailed returned in survey moderate yes mound mound it should make the stress than the str Result data bet was create successfully target = np. array (data iloc[:,-1] Consept = np. orray (dota, ilocli, 0:-1], fraint (consept) ARYA College of Engineering & I.T. data = fd. sead_(SU('data.(Su')) (Surveiter assiterous (nouse) Assistator . Carrite rose (Michael) (Sourites = (310, writes (1/2 le)) Page No.

(1) Initialize to to most specific hypothesis

2) For the enample for each stribute in consomple if attribute while: hypothesis volus to nothing reflece it hytheris value with most generalized contrains (?)

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	Experiment No.: Date:
ania ania	Implement and demonstrate the Eind-S
	algorithm for finding most specific hypotesis
	Coaled on a given bet of training data samples
	Read the Assiming data from (50 file
	Source Code
	import handas as ha
	impost numby as no
	import CS 19
	V
	data = Ild. read ('Eind s. (Sb')
	Lanceht = nh. array (data. ilor [; D: -1])
	I la: mt (" concepts value are \") " concept)

look in enumerate (tot)

[[Sumy (worm) high strong (won) Son [said) high strong (worm) Son [said) high strong (won) Son (said) high strong (won) son (said) high strong (won) son (said) high strong (won) The final hypothesis concepts value are [yes 'yes no yes] [Sunny worm! ? ! I day larget balues she ARYA College of Engineering & I.T. ented Redult Fine S algerithm wood implemented for given data det frint (" The final Hypothesis is:" **Experiment No.:** for it in rample (len (specific h)):
if yol [x] != specific h[x]:
else: 20 turn Specific-h Specific h = Con [i] Copy() tor [i]. lower ()==" i , wal in enumerate (con! Kass train (somefto, torget)) Page No. ...