17/08/23 Artibicial Intelligence-We toy to minick human intelligence Two Subjelds -Machine dearning Stouchered data - Numbers Values Weight Color texture Those data cello be porouided to machine learn Deep dearning -Newal networks Visual perocessing, Audro perocessing, National language perocessing Diproperence between Novoraw AI and Greneral AI. Narrow AT is to automate human tarks practice and Sulge.

Grenoral AT - Strict grules oround it Training Model hote of data and time to machine We have to give lots to datusets to make

underestand. toning is vory important your any machine leaving model to learn. Terting - Alotor training we check on the training an AI is like training a child, it take a lot a time and data Real libr application -Generating image I from Natural language A photo og an astronaut Tideig a horse Because og AI this is possible with AI, we can generate image with (text) high quality image is seconds. none tools related to this are ting AI and

Attlaiced Intelligence Data Science (Liquerais) (Vision Seron darguage Robbics) planning Injutheries Support vector) Agrificial (Text) Data Science Intelligence En pring Statistics Data Machine Decienter Bayerias brees/ learn Machine Deep loving (puradigne Experimentation AI key concepts -Applied Statistics Dataset is very hig he need to understand the clata, its distribution among other things Big data analysis We do not need to work code form We needs to predict is hig data Extract the Inght information

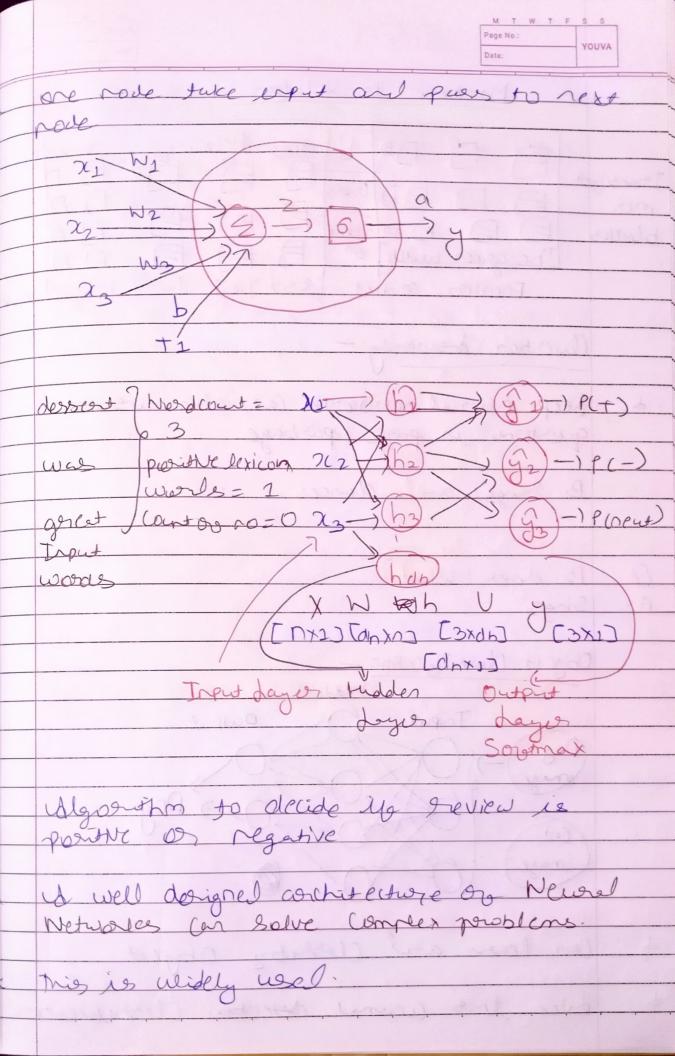
	M T W T F S S Page No.: Date:
,	machine dearing -
1	we need to understand the algorithms that
	We feld learn yourdations on the algorithm
-	Deep bearing-
	Sub domain Do ML.
	porediction.
4	In MI, we tells machine what to leaver and what to predict but in DL, we
	won't be telling mathine specific things. just give the data and output and model plans itself.
4	Example - Chatglt - deep leaving Model
4	Owes human like groppinge.
A	Python is very early to learn and use.
	Machine hearing we tell the maltire
24.	D))) OOOOO Caer Not caer
	Trout Feature Classification Output extraction

Deep dearing - machine joignose out declar Input Feature + Clarifyicotor Output

extractor he give detail to algorithm in My like Size on input etc and then it decides But is deep learning, algo jugures out the It storts leaving the geations by itself Types on dearing Supervised dearning -Green's training data + derivied putputs (lober) What to leave Example. We give various images on cars will labelling as can and not (as. Unsupervised dearning -Oriver: training datal without derived outputs Clar mathire does not have output data.

	M T W T F S S Page No.: Date: YOUVA
3	semi-supervisial desoring -
	Oriver training data + a gen dervied outputs
d	We have only some labelled outputs
4	Reingoncement hearing -
-	Rewards journ dequerce of actions.
	Learning Proradignes -
	airplang jautomobile hour inages
4	Supervisus learning - Clarrigication Machine Clarridge new items based on pravious
0	Supervised learning - Regression
4	predicting Calories, poredicting age
4	Oreneral gormula
	Traditional Supervised hearing -
	Acta -) [] -) prediction -) 72-1% some
	This a text set performance
	Training Set algorithm Metric

Learning provadyons -Ursupowised Learning -Churtering -0000000 Similarity of data is used to Categorize Wherever mathine gets a new data paint point lies is Deep dearing -Network or model got a talk Input Output layes layer Lazer



Machine translation Theyo Decoder Terrespos) Cross ner Fatterti blactics The green with Encoder arrived CS> Ilegã ayerhan Areworing resularies car also arsuer Deep rewal parsage B sings and dences Object Classification Output Input Classing Object a detection Classification