K.G.		Page No. :
Karjat -		Date :
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	On the Original Control of Con	n H
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K.G.C.E. Karjat - Raigad

Assignment No:-1B

Page No. :

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KGCEKGCEKGCE	KGCEKGC	EKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGC
	917	Explain PEAS descriptors for wumpus would
16	_	il Perkonnonce measure
	_	+100 Por grabbing the god and coming back to start.
		-200 if the player is killed
3		- per aution
	11	-10 Por wing the armo.
		ii) Enviornment.
		empty Rooms
	11	Room with wumpus
	_	Room a neighbouring to wumpus which are smelly
	-	Rooms with bottomieu pits
	_	Rooms neighbouring with bottomiels pits which are breeze
	_	Room with gold which is giltery
		Armow to shout the wumpus,
		(iii) sensors (assuming a mobutic agents)
Š.	_	camera to get the view
)	11 1	odour sensor to smeu the stench
	11 1	Audio renson to listen to the scoren and hump.
		iv) & RRELLUYS (assuming a robotic agent)
-	11 1	motor to move left inight
5 %	II I	Robot arm to grab the gold
And the second	_	Robot mechanism to shout the armou.
7		The wumpus world agent has following characters:
i i	a	Fully observable b) peterminimis () Episodic
	,	
	a)	state e) pirerete f) single agent
1		
	14	

Karja	at - Ra	Date :
GCEKGC	EKGCE	KGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCE
	(c0	Explain various elements of cognitive system.
		cognitive computing is a new type of computing with
		the good of more accurate models of how the human
		brain I mind senses, reasons, and responds to stimulus.
	41	Cooperally the term cognitive computing is used to
		relea to new handware and for software that minic
1 11		the following runtioning of the human brain thereby
		improving human decision making cognitive computing
	(	applications links data analysis and adaptive page displa
		ie Adaptive user intenfaces its adjust content Por a
		particular type of audience
	-	Following are elements of cognitive systems
	(۱۵	Intercurive: They may interact early with your so ice
		those every can define their needle comfortably, mey
		may allo interact with other processors, devices and
		cloud services, as well as with people.
	b)	Adaptive: They may be engineered to feed on
. 6	1	dunamic data in real time. They may sear it as
1-		information changes and as good and requirements
		order. They may resolve ambiguity and tolerate
		un aredictability behaviours.
	()	iontexual: They may understand, identify and
	,	extract continual elements such as meaning syntax,
		acation appropriate domain, etc.
	4)	Iterative and stateflur-They may aid in derning a
		problem by asking questions on finding additional
	1.7	source input it a problem statement is incomplete.
_#		

d) Bigram Model (K=2)!-

(W) (wi-1) =

Karjat - I	Raigad Date:
EKGCEKGCEKGC	EKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGC
90	white a note on Machine Translation:
_	machine Translation is classic test of language understand
I a a fi	It consists of both language analysis and generation
	many machine translation system have huge commercial
	we. Following and Rew of the examples:
et •	Cropple Translate goes through 100 billion words perday
	eBay we machine translation techniques to enable coss-
	bonder trade and connect buyers / seliens around globe
	facebook use (n) to mandate text in post and comments
T 1:	automaticuly in order to break language barriers.
	Systran became the Pirst soft twant provider to launch a
	Neural Machine Translation engine in more than 30
	languages in 2016/999
	microsoft brings AI - powered translation to end wers
4 4 4 E	and developers on Android, 105, and Amazon Fire.
	whether or not they have access to the Internet.
	In a traditional machine Translation system, parallel
action of the	corpus a consection of trees is used to each of width, is
	translated into one or more other languages than the
	original. For example given the source language eg.
	French and the target language eg. English, mutiple
<u> </u>	tratichial models needs to be build, including a probab
a 11- 1	mistic Rarmwation using the Rangerian Rule a trans
1	lation model p (f)e trained on parallel corpus, and
	a language model (se pie) trained on the English conpus
-	It is abious that, this approach skips hundered of
	important details, requires a lot of human heature
	engineering, and is Overall a complex system