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Assignment No:-1B

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KGCEKGC	CEKGCE	KGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCE
	(CS)	Explain various elements of cognitive system.
	<u> </u>	cognitive computing is a new type of computing with
1		the good of more accurate models of how the human
į.		brain (mind senses reasons and responds to stimulus.
	1	Copporally the form cognitive computing is used to
1.11		relea to new handware and for software that minic
<u>I</u>)		the following runctioning of the human brown thereby
	- 1	improving human devision making cognitive computing
	(applications links data analysis and adaptive page dispa
		ie Adaptive user intenhace its adjust content lor a
		particular type of audience
27	-	Following are elements of countrie system:
	9)	Intercutive: They may interact early with your so real
1 2	, / ! _ !	those every can define their needs comfortably, view
	1	may allo interact with other processors, devices and
		cloud services, as well as with people.
	b)	Adaptive: They may be engineered to feed on
w 11	1	dunamic data in real time. They may sear it ag
12		information changes and as good and requirements
		evolve. They may resolve ambiguity and tolerare
		unpredictability behaviours.
	(2	iontexual: They may understand, identify and
		extract continued elements such a meaning syntax,
		acabon appropriate domain lete,
	4)	Iterative and stateflur-They may aid in derning a
1		problem by asking questions or finding additional
		source input it a problem statement is incomplete.
	-	

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c	g u	white a note on Machine Translation:
-	_	machine Translation is classic test of language understand
12	3	It consists of both language analysis and generation
		many machine translation system have huge commercial
		we. Following are lew of the examples:
. 17 . 12	•	Cropple Translate goes through 100 billion words perday
	.	ebay we machine translation techniques to enable cross-
		border trade and connect buyers / seliens around globe.
3		facebook uses (MT) to manuale text in post and comments
V 11		automaticuly in order to break language barriers.
	- 11	Systran became the Pirst soft twant provider to launch a
	- 11	Neural Machine Translation engine in more than 30
	-	languages in 2016
<u> </u>	,	microsoft brings AI - powered translation to end wers
		and developers on Android, 105, and Amazon Fire.
	- 11	whether or not they have access to the Internet.
g 309 A 4 P	- 11	In a traditional machine Translation system parallel
A LAND TO BE	- 11	corpus a collection of trues is used to each of width, is
	- 11	translated into one or more other languages than the
10	- 11	original. For example given the source language eg.
		french and the target language eg. English, multiple
2 1 1 2	- 11	tratichial models needs to be build including a probab
p 1 715		inistic Rammulation using the Rengerian Rule a wans
1 p. pt.		lation madel p (f)e trained on parallel corpus, and
	- 11	a language model Gepre) trained on the English conpus
-	- 11	It is abious that, this approach skips hundered of
		important details, requires a lot of human learung
gill, es		engineering, and is Overall a complex system
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