K.G.C.E. Karjat - Raigad Page No. :

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SENSE NO ENGLENCIA CENCICENCIA CONTROLLA CONTROL	GOERGCERGCERGCERGCERGCER
Animat No. 1.0	
-Assignment No. 1-B	
Name: Siddli N. Desai	
Prante : State III 2 com	
Roll no.: 13	
Batch : II	
Sem: VII	
Subject: AI	
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		TO STROUGH GUERGUERGUERGUERGUERGUERGUERGUERGUERGUER
	1	Explain PEAS descriptors for wempers world
1184	3	i) Peyonnance measure
	/	
		- +100 for grabbing the goal and coming bads to start
		200 if the player is killed.
		1 put action
		10 for using the armow
		ii) Environment
,		- Empty hooms
		- Room with womps
	•	- Rooms neighbouring to womens which are smelly
		- Rooms with bottomless pits
		- Rooms neighbouring with bottomless pits which are breezy
		- Room with gold which is glitery
1 12 4		- Hora to shoot the wings
1 1 1 1		iii) Sensoss (ausuming a Hobotic agents)
		- Camura to get the view
	1	- odowy sensor to smell the skindle
id it		- audio sensor to listen to the screen and bump
		(assuming the robotic agent)
, Police	1.1	- motor to more left right
*		- motor to more left right - Robot aum to get the gold
		- Robot mechanism to shoot the amow
. e . 1 Ju	u, i,	The wrongs wooded agent has foll characteristics
17		a) Fully obscurable
	i	b) Detaininistics
		c) Episodic
		d) Static
		e) Discrete
		f) fingle agent
	1	

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	2	Explain various elements of cognitive system.
		Cagnitive computing is a new type of computing with
		the goal of more accurate models of how the human
		brain/mind senses resons, and responds to stimulus.
		Generally, the term cognitive computing is used to refu
		to new hardware or software that minic the following
		fonctioning or mimic the human brain though improving
		human decision malsing. Cognitive applications links O data
		analysis and adaptive grats page displaire adaptive useu
		interfaces to adjust content for a positicular type of
		audience.
		tallowing one elements of Cognitive dystem.
		a) Interactive? They may interact easily with useus so
		that those wous can define their needs conjortably.
		They may also interact with other processors, defices and
		b) Adaptive: They may be engineered to feed on dynamic
		data in real time. They may been as information
		changes and as goals and requirements evolve. They
		may resolve ambiguity and tolerate unpredictability
		behariours,
		c) Contextual: They may undoustand identify and extract
		contratual elements such as meaning syntax, locating
;		appropriate something
		d) Interior and statyed: They may in defining a
		problem by asking quations or finding additional source
j	-	d) Interior and stateful: They may in defining a problem by asking questions or finding additional source input It— a problem statement is incomplete

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37 12	A COLLAGOERGCERGCERGCERGCERGCERGCERGCERGCERGCERGC	KGCEKGCEKGCEKGC
	nite a note on language model.	
	ne goal of a language model is to complete obability of a token leg a sentence or seconds) and are nogulin many different anguage Model (Im) actually a grammor of	
b	obability of a token lea a scotener or so	
N.	sords) and are well in much different	101
	anguage Model (im) actually a grammor of	ur applican.
03	In case of (m) the probability of word that will for	a lunguage
	In case of (im) the probability of the sentence	11000.
- of	words vis : - P(w) = P(w, wz, wz, wy,, w,	as sequence
_0-	It can also be use to Mills)
	sord in the ocatave and the probability of	the next
	It can also be use to find the probability of sord in the Sentence: p(ws/ws/ws/ws/ws/ws/ws/ws/ws/ws/ws/ws/ws/w	
3.9	1 (1) (1) (1) (1) (1)	I U CLUAZO ATISIOTRI
	Methods using Mark and model available a	ew are:
	Methods using Mark or expromption!	
44	A process which is stochastic in nature is sa	id to have
	ne mankov property if the conditional proper	ty of
	future states depends upon present state.	0 0
	N-guam models!	
	from the moulsor assumptions, we can foundly	dyine
Mo	odes where h=n-1 as following ?	
- (c) (Inigram Model (K=1):	
	$p(w_1, w_2, \dots, w_n) = \prod_{i \neq j} p(w_i)$	
(d)	Sigram Model (K=2):	
	p (wi/wi wz wi+) = p (will wi+)	
	and a survey to a regular to the	
	(willwin) = count (wint in w)	
	and will and some (will) fordinger	
	residente de la production de la	

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	4]	Weite a short note en Madine Translation
· · · · · · · · · · · · · · · · · · ·		- Madine translation is classic test of language
	111	understand.
· v - 175-yr	1 1 1	- It consist of both language analysis and genucilion.
man apart		- Many madine tounstation system have huge commercial
	į, tis	i use. Pollowing one few of the examples:
Din april	y th	-> Google Translate goes through woo billion words pur day
4		-> ebay uses machine translation techniques to enable
		cross border trade and connect huyers / sellers around
		the glober
10. 14 -05		-> Facebook usous (mT) to translate text in posts and comments
17.		automatically in order to break language burriers.
	,	-> Systran became the first soprane providers to launch a
), , L	l in	Neural Madine Translation engine in more than 30 languages
r N		7 in 2016 111 11 11 11 11 11 11 11 11 11 11 11
j.	(a	-> Microsoft brings AI-powered translation to end user and
		developous or Android, ios, and Amaron fire, whence or
. (1)	1	not they have access to the Internet.
,		-> In a traditional Madeine translation system parallel corpus
		a collection of truck is used to each of width, it translated
		into one or more other languages than the original for eq.
		given the source languages eg. French and tauget language
	-	eq. English, multiple statistical models needs to be build
		including a probabilistic formulation using the Rayesian
		Rule, a trunslation model p(t)e trained on porallel corpus
		and a language model ple) trained on the English corpus
		- It is obvious that this approach skips hunderets of
		important détails requires a lot ou human feature.
		engineering and is orwall a complex system.

i Charles	Date.
こうしゃしょう きょうしゃしん	nderageraceraceraceraceraceraceraceraceracerac
57	Explain the following terms:
	Phonology : -
	It is the study of organizing sounds
estern general sem re de describe una sign a entra com a sociamenta da manga de se describencia como consecuta de	Thorotogy 2 - It is the study of organizing sounds systematically, in an MIP (Natural Language Processing)
	System.
[4]	
n commencia programa, a la como menera de colon e sego mana per a consistente de la como menera de como como c Responsa	morphology:- It is a study of construction of words from primitive meaningful units.
and the second s	primitive meaningful units.
् ।	1 · · · · · · · · · · · · · · · · · · ·
	Lescicon is the words and phrases in language.
	Lexical analysis deals with the occupation and identification
	of structure of sentences. It divides the pawagraphs in
	sentences, phrases and words.
(a)	Synatotic Analysis : -
	In synatotic analysis the sentences are poused as
	noun roubs, adjective and other pauts of sentences. In this
	phase the grammer of the sentence is analyzed in
	order to get retalionship among different words in
	orden to get redationship among different words in sentences. For eg., "Mango eats me" will be rejected by
	analyzeu.
रो	word sense disambigution: -
	While using words that have more than one meaning
	we have to select the meaning which makes the
	most sense in context. For eg we are typically given a
and the second	list of words associated word senses leg from a divisionary
	or from an online producte such as word not.)