Tutoral No. 01 Tutoral No: 01 Name: - Sachin Suresh Tambe Class: BEITT RO11 NO: 68 Sub : ISLAB Baten :- I3 D.o.p. D.o.C. Menus Sign

Page No.
Date
1
O- and
ept of Agent
ition of Rational
ask Environment
% .
10.2 C. c.
gent (AI) System

Tutorial No:-1

module 1

Aim: To understand the concept of Agent

Aim: To understand the concept of Agent

Abstraction by studying definition of Rotional

Agent Agent environment, Task Environment

Descriptors, environment types.

Theory: Available Intelligent (AI) System
is Composed of an agent Cits environment
The agents actin the environment. An Agent
is anything that can perceive its environment
Through sensors pacts upon that anivnoment
through effectors. This can be clearly see in
fig.

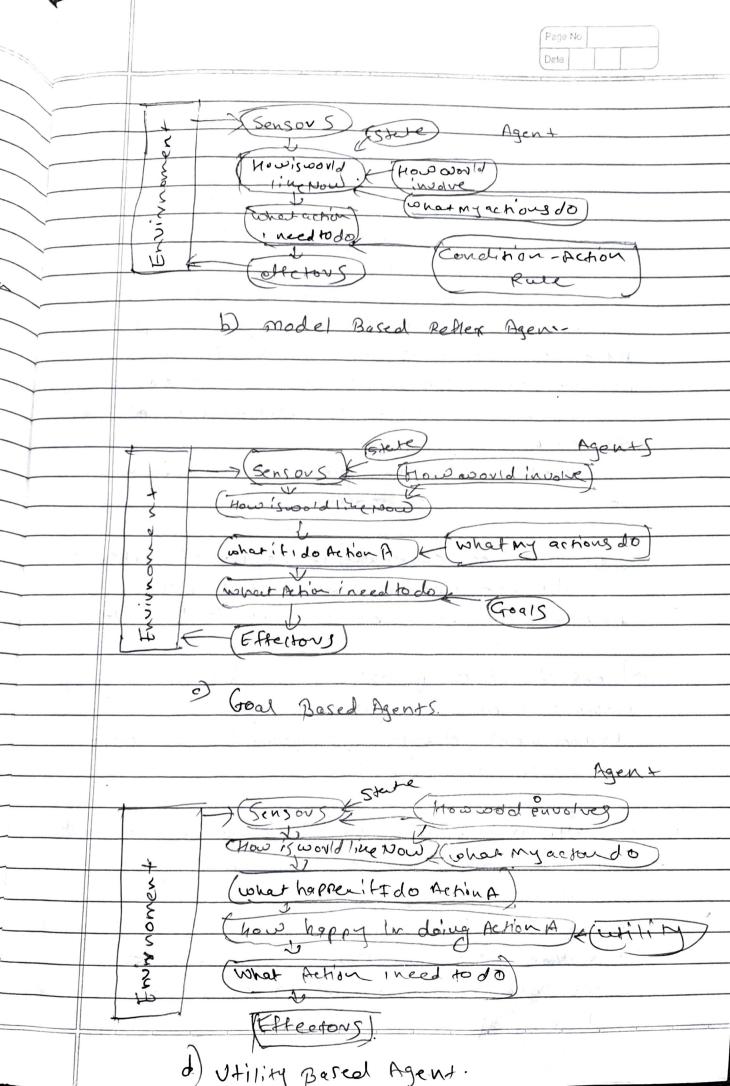
Formanent Percepts

Formanent Effections

Actions

Al Agent with Environment.

Muman Agents has sensory argains Such as eyes, eeus no se trongue & skin parallel to sensor s worther or effections



	Date
	As Seen in fig Simplex Rettex Agents As Seen in fig Simplex Rettex Agents Desception on the convent pecep
	As Seen in fig Simplex the current per
-	choose Actions only Based on the convent peces only. They are rational only if a convect
	only. They are rational on the of Current
T	percept Agent environment
Ī-	15 C. I. Al Service Le
	AN AS Agentis referred to as
	Rational Agent. A Rational Agent globay
	purforms vight Action, where the right
	Action near the action that the agent
	to be not & Successful jugive a percept
	Sequence
	Anothe important piece of information is
	fast environment propurties.
	Discrede or Continuous If the united number
	assinct clearly define states of
	environment, the environment is discrete,
	possible to determine a lesenvable it is
	passible to determine complete state of
	or each time point !!
	is observable
	3) Static on D. 0 10.
	3) Static or Dynamic if the environment does not change while on agents is
	change while on agents is acting with
\	A
	Ment State ?5 eminimonistic it the
	Non-Detarminish's 11 1
	next state is and
	Determing by Completed
	next state 95 environment is Complety Determing by Connect But

	Page No.
	6) Single Agent or multiple agents the environment may Contain Single agent offer agents which may be of the Some different kind
	asthat of Agen
	Sensory apportus Con have access to Comprete state of may be same.
	in following Seath intervet for Al bused application in following Scenario & identity who is agent for that Application.
) Autonomous Lungar Rover
-	2) Deep Blue messplaying Computar program.
	3) Eliza the natural language processing Computer program created from 1964 to 1966 at MIT
	A llab by soseph weizenbaum.
	4) Automatic portfolio monogement.
	5) sophica is social humanoid robot developed by
,	hongkoug based Company Manson Robotics 6) Alphero is computed program that plays the board
	7) Apres vivual Assistence sin
	8) Endavance: A Companion Son Dementia patients.
	9) casper: Helping Insomnias Gototowough the Night
	10) marvel: Guarding balance with Comic book
	r. Automated Constover Solver