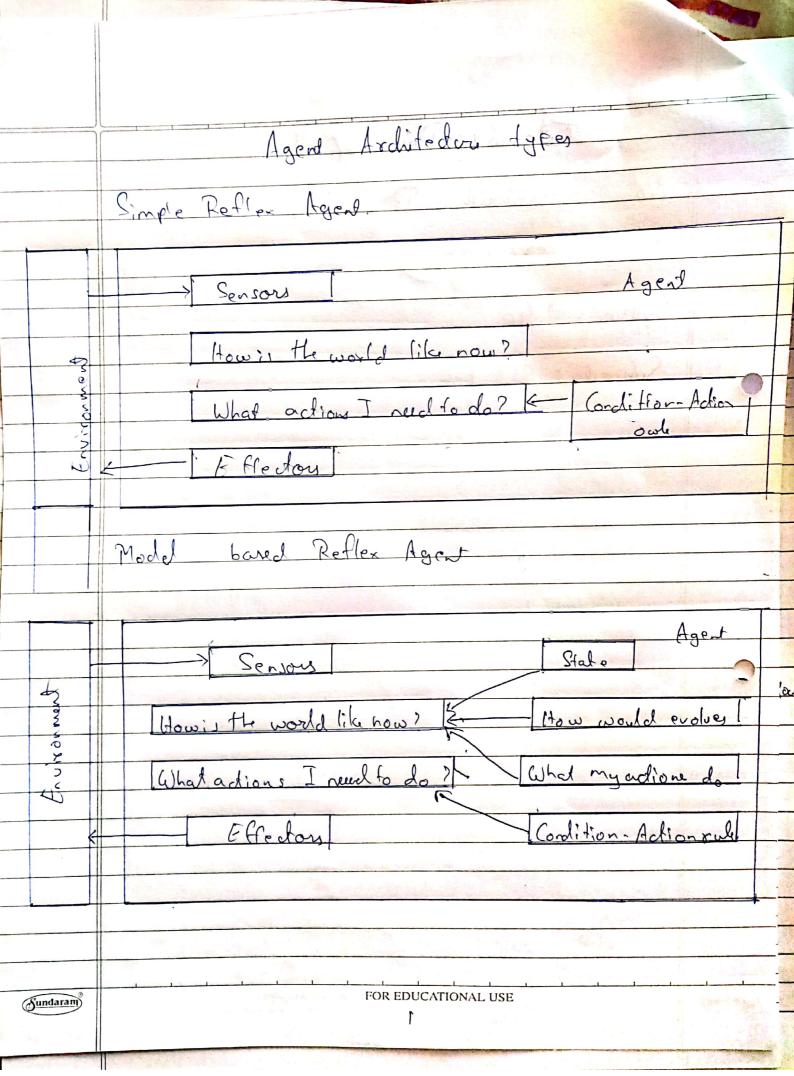
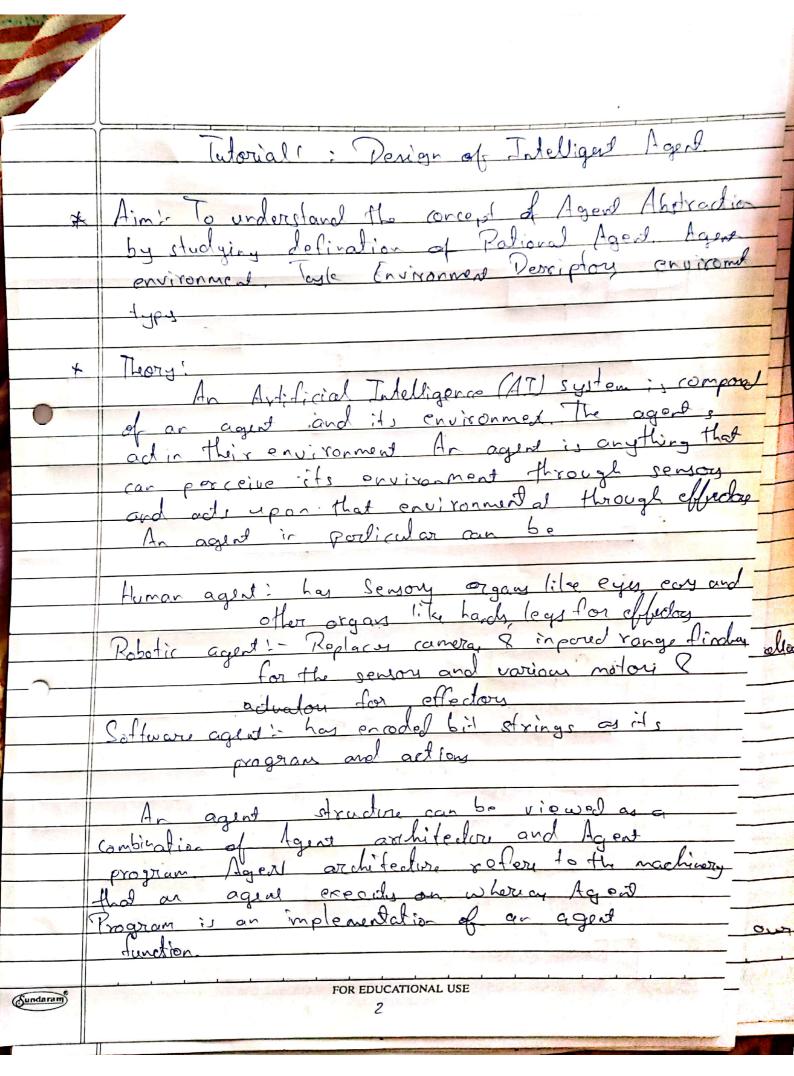
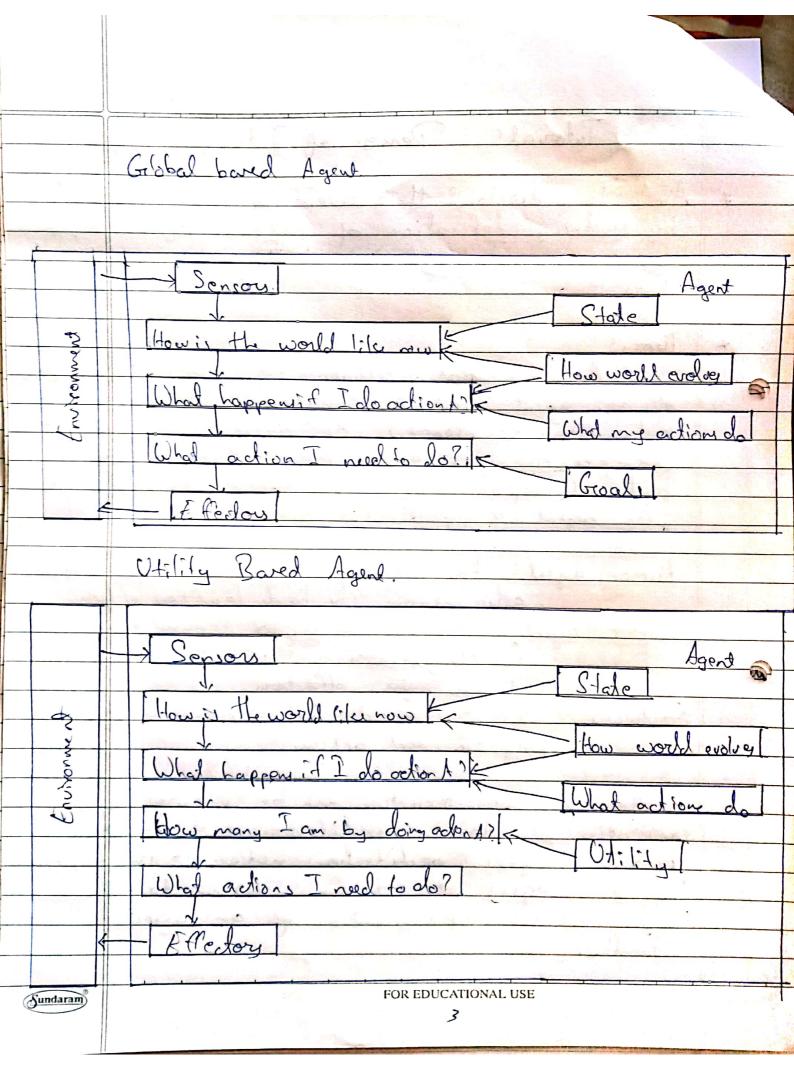
	Tutorial 1: Derign of Intelligent Agent
Asset Control	Name: Horikvishna B. Parki
	(lam:- BE/IT
	Rollno: 40
•	Subject :- IS Cab
Gundaram	FOR EDUCATIONAL USE







Simple Reflex Agents choose actions only based on the correct percept only. They are rectional only if coxect dision is made only on the boirs of Covered percept. Agent environment for such agend is full, absorvable Rodel bared Reflex agent use a model of the world to choose they actions they maintain an interval prede as a point tent intermadio. How the model means knowledge about how the things hosppen in the world that is representation of unhorsed aspects of state depending on percept history. takes into account how its actions Utility based Agents chance actions based on autility for each state broad are independe when there are conflicting goals, out of which only few can be achieved god have some uncertain of being achieval and you med to weigh it kelihood of success against The importance of a good. An AI agent is referred Agent. A rational agent perstorm right andio always, where the right actions moune adion. Had carry The agrid to be the most Successful in the system in the given percept sequerer. The problem that agent Solves is charaterizal 57 Perclormano Meanure Environment, Actoraclass and Sensons (PEAS)
FOR EDUCATIONAL USE Sundaram

While analyzing task environment the agent archited ruds to consider tollowing properties: Discrete or Codinions: in there are a limited number of distind deady defined states of the environment of in directe (file dans ; offerwice it is continious (like automated driving) 2. Observable or Partially Observable: If it possible to determine the complete state environment at each fine point from percopts it is observable 3. Static or Dynamic: It the environment doesn't change while an agent is ading then if Static, otherwise it is dyramic. Deterministic or rondelarministic of the next state of the environment is completely determined by the current state and the adious of the agent, they the environment ; doomenistic otherwise it ? non delarministic Episodic or sequential: In an episodic environment each episode of evors, comit of the agent perceiving 8 then acting. The quality of it, actions depends on just on the episode itself Subsequent episode de not de pends ou adious in the premiors episody. Episodir environment are much simpler because the agent does not need to think ahead. Sequential environment is about current action delates the fulva outions.

FOR EDUCATIONAL USE Sundaram

gent or multiple agent: The emissions and single acted or other agents
the come or different land on the properties. Di Sundaram

•	
?,	EC17A. He NLP computer program created from 1964 to 1966 at the MIT Axtificial Intelligence
	1964 to 1966 at the MIT Axtificial Intelligence
	Caharatory by Joseph Weizunbaum.
	Performance Meaner: Understanding wer, maintaining
	Conversation Environment: Wes Program Reybourd
	nor fast input, Eliza text, output window
,h., .	Actualors: Texts.
	Senous: Over text inpuls Task environment properties: Codinione Fully observable Static Pelerministic sequential. Single agent
	lask envisonment properties: (odinious tally observable
	Static Peterministic sequential. Single agent
	Accenible
And the second	
	Sophia is a social humanuid robot developed by Hong Kong band company Hason Robotics
	Trong Kong bond company to so to solice
	Parformana Manney () adaptedia
	Performana Menuy: Understanding wer, maintaining conversation, taxal expression regions fine
	Enironnent: Humans, objects.
	Aduators: Arms. month, legs. Spealer
	Senor: Fys (ameros) ears mi, audio Sensey
	A THE STATE OF THE
	Take environnent properties: Continion ful!
	Take environnent propordios: Continions fully abgernable Dynamic Deterministic Sequential
	Single Agent, Accurible
- Cong	
0	FOR EDUCATIONAL USE
Gundaram	FOR EDUCATIONAL USE

4	Apples virtual assistant Sixi
•	Performance Manure: Underslanding wer too! Speech  producing bost result gummoning ((rigger) response speech  Environnent: Oter speech fort  Actuator: Mobile screen speaker  Section: Mobile screen mic button  Tark environment properties.  Costinious Fully observable static Delaministic,  Episadic Singh agent Accentic
5.	Awdomated Gosward Solver
-7	Performano Measur: Understanding hints analyzing hidden and visible letters time to solve Environnent: Hime visible lettery crosswood bood Advatory: Pertop Screen, program Semon: Grosswood boods Taste Environnent tooks. Emperting: Disrocke Fully observable, etatic Peters minister Epindic Single agent. Accessible
Gundaram	FOR EDUCATIONAL USE