K.G.C.E. Page No.: Tytorial No 2. Karjat - Raigad Date: Name! - Anket Anil Uppal. Class :- BE. Batch !- I3 Roll No! 72 Sub :-

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	To understand State Space problem for
	mul'ation.
	Aim; To understand Stude Space based problem
	formulation of AI problem so that problem
	Solving Pogent Com be applied.
	Theory: First we understand the problem sowing
	ayent. Plyprithm Shown in Lignal shown
	agent program for problem Solving agent
	Agent first from letter gold and
	problem-
	function SIMPLE - PROBLEM - SOMIKIN - AMENT (parcept) returns on althur.
	Static seq. on action sequence initially empty
	Stute, some description of the current world Stuff.
	gou a goul initially hall.
	problem a problem Domutertin
	State DEDATE- STATE (Stury, percept)
	if sey is empty then do
	goul & FORMULATE - (ROAL (Soute)
	problem & FORMULATE - PROBLEM (Steere & goul)
	Seq. < SPARCH (Problem)
	action + FIRST (sea)
	Seq & REST (sew
	seturm action
	problem solving Agent Architechture.

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	Initial State it is the Starting state that the possion
	Actims: It defines all possible actions avuilable to
	the the agent given it is in some state s currently.
•	Transition Model: also known as Successor function
	System tend to move to when a puraticular
	action is explaited by the agens.
	State passed to truis function is good
	Would Stop.
	Path cost: It is allumitated cost of performing certain sequence of actions
	formulation students need to formulate following problems.
	1. Navigate to Kinke workshop from Hog
	moves. com be climbring

Karjat - Raigad Date: 2. 8 Puzzle problem. 3. The missionanies and Cammisals under the constraint that, for vies present on the bunk, they commot be outnumbered by Cannibuls lifting were the missionaries. 5. N Queen's problem arrange Nquees on a News Michess bound whe no two queens afface ceum offer 5. Two room vallum (leaner world. 6. Water Jug problem. Resources: Refer to second chapter from
Protificial Intelligence: A Modern Approach.

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