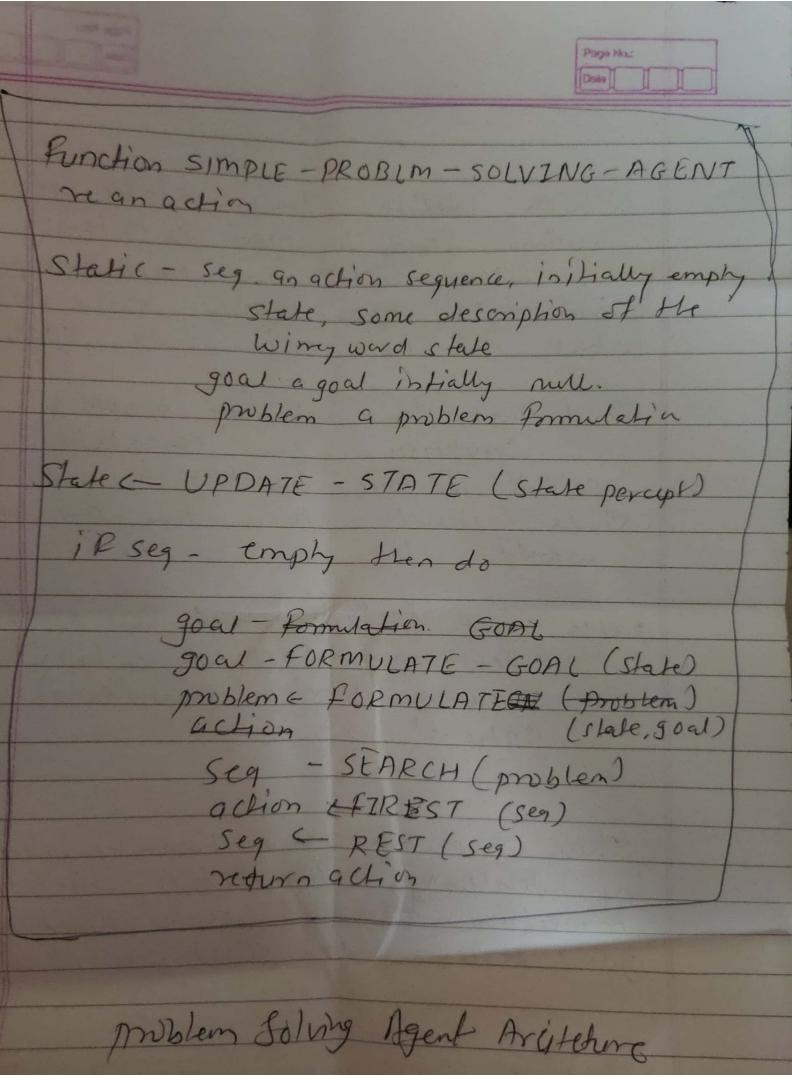
Tutorial NO - 2 Name- Knichna Somanath Gin Po11NO - 20 Sem - VII - / I7. Sub- IS LAB Batch - II

Come | Tutorial 2 To understand state space problem familiation Aim- To understand State Space based problem I formulation of AI problems So Hat problem solving Agent be applied Theory Kirst understand the problem solving agent Algorithm shown in Rigine shows agent program for problems, solving agent Agent then determined crreatler Server an action sequents, after which it return the next action to be exerted in 9 sequential maminner Defining the problem is referred to problem.
Formulat It involves defining Rollowing file thing, starting state that the Initial State it is Pollowing all possible action some state amenty It is Renction allepossible action



Which define which states the System tends to more to when pertiular action 15 executed by transition model gives nise to what is know as state space Goal Test This act as stopping Condition When the state passed do this Function is good State 12 will return the secreting would stop path cost It is accordated Cost of performing Certain action seguence under consider 13 optional Thus a problem Can formally specified by identifying milial state, action transition model (successor function) goal tests parts Costunderstanding of problem working: Based on Romulation Students need to Formale Following publem

Navigate to ISGCE workshop from HOD IT & Cabin with minimum number of mores can be dimbits or alighting turning left mint walling through 2. Puzzle pomblem The missionand of cannibals problem There are three miss vo 8 three Garibal who must cross ander two pepale under Considery that Re both banks. If there are missionenes present on the bank thy cannot be 9 courumbered by Cannibal if they more the Cannibals Would put the missionen's The boat cannot cross the new by itself with no pepole on board N queens problem, Arrange N queer an aN cross Notes. board where notwo queens attacks where no two queens attack each other

