M T W T F S S Page No.: Date: 28 09/22 Outon

AI-ML EXPERIMENT 3: REPORT

=)	A* algorithm: It is informed pearch technique.
	heuristics: it takes into account the weather of
	goal state & searches quite pew nodes to reach goal.
	working: O Assigns costs to each cell of maxe.
	g(N): Actual cost pops h(N): Estimation cost from n start node to n. to goal node.
	start node to n, to goal node.
	Has two for stimate cost.
_	- 1- Euclidian austence: Linear aistance blu cell &
	goal cell.
_	Manhattan distance: Horizontal plus vertical distance
	blu cell à goal cell,
	RAT IN A MAZE ?-
pb/m:	- Given a make of size NXN. source is @ top-by &
salviu	goal is sbottom-night corner rup. two was are alward
	to move while others are blocked. Find if there's any
	way to complete path & mask the corrected path.
	21,0,0,0,0
	1,1,0,1,0 solum: - (1,6,7,12,13,14,19,
	0,1,1,1,0
	0,0,0,1,0 8/19- class Maxe: - 9/p.
	1,1,1,1 class Queue: store the queue
	of nodes to be explored; pon one returns nodes
	Es the queue with the west
	thode = grade + hande & removes it from queur.
	class solver returns if there exist, any saution, by
	implementing A* algo over mase.
	Function trace-party takes goal state node as argument
	E anstruct the solute string by polowing the
	parent attributes backwards will is mittal
	stea is peached.