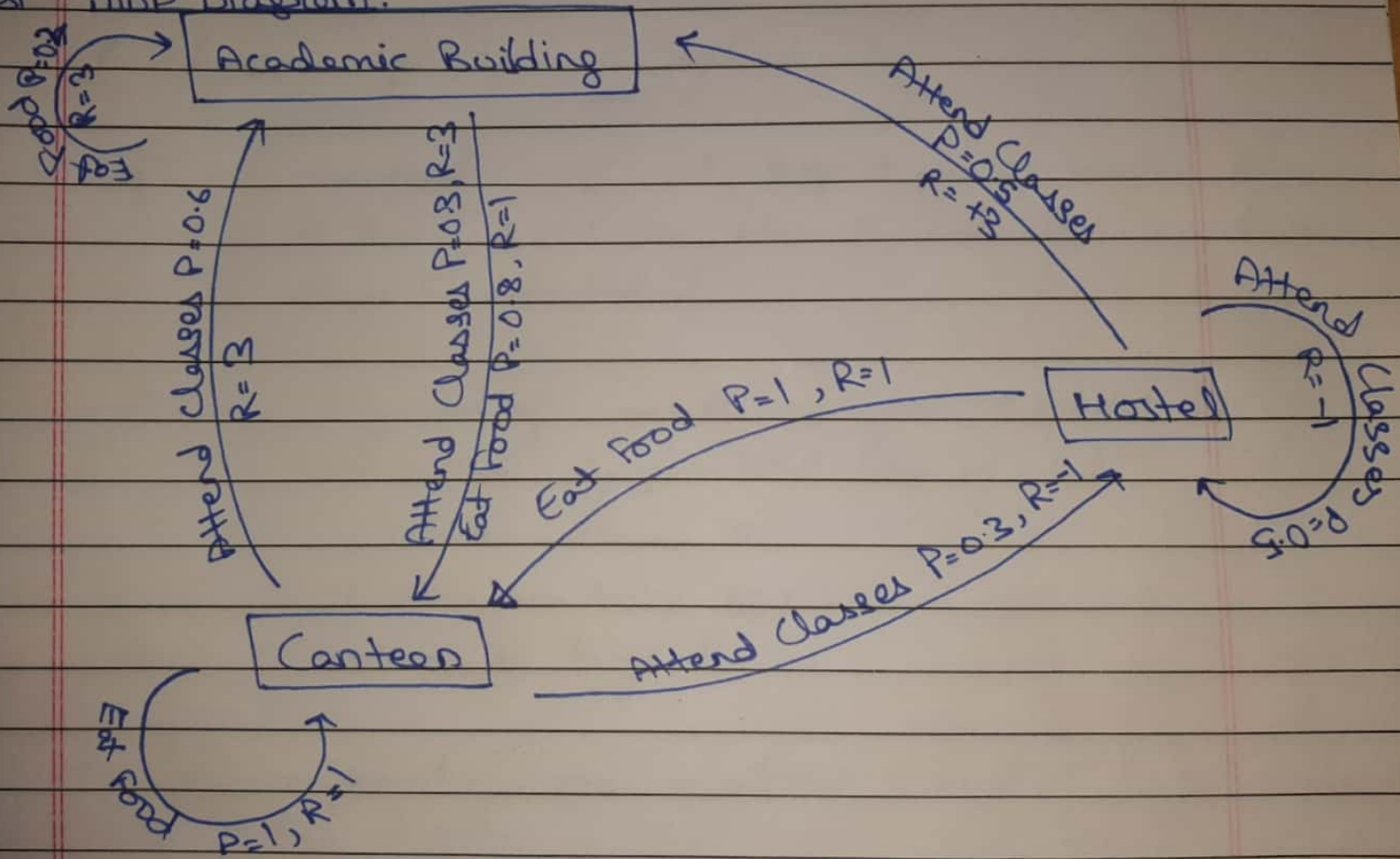


ECS 427 Assignment 1

81 MDP Diagram:



MDP representation in Tabular Form:

Current State	Action	Next State	Probability	Reward
Hostel (Hungry)	Eat Food	Canteen	1.0	+1
Hostel (Not hungry)	Attend Class	Hostel	0.5	-1
Hostel (Not hungry)	Attend Class	Acad Building	0.5	3
A-Building (hungry)	Eat Food Attend Class	Acad Building	0.2	3
A-Building (hungry)	Eat Food	Canteen	0.8	1
A-Build (N. hungry)	Attend Class	Acad Building	0.7	3
A-B (Not hungry)	Attend Class	Canteen	0.3	1
Canteen	Attend Class	Acad Building	0.6	3
Canteen	Attend Class	Hostel	0.3	-1
Canteen	Attend Class	Canteen	0.1	1
Canteen (hungry)	Eat food	Canteen	1.0	1