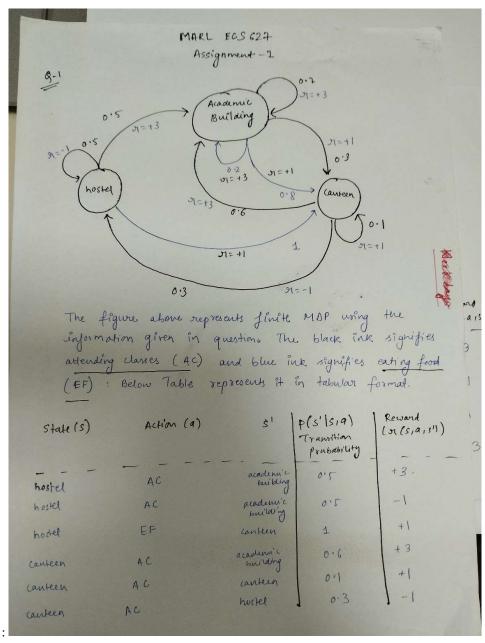
MARL ECS 627

Assignment 1

Name: Shirish Shekhar Jha

Roll Number : 2410705



State (5)	Action (a)	s'	transition p(511519	
Starter			1	+3
Academic building	A C	academic building	0.3	41
meadennie	AC	canteen canteen	0.8	٦١
academic	FF		0.2	+ 3
building academic building	EF	academi (

Both Value Iteration and Policy Iteration suggest the same optimal policy for the student: attending class at each location (Hostel, Academic Building, Canteen). This outcome makes sense given the higher rewards associated with attending class, especially in the Academic Building where the reward is +3. The uniformity of the policy across all states suggests that, regardless of where the student is on campus, attending class maximizes long-term rewards.

