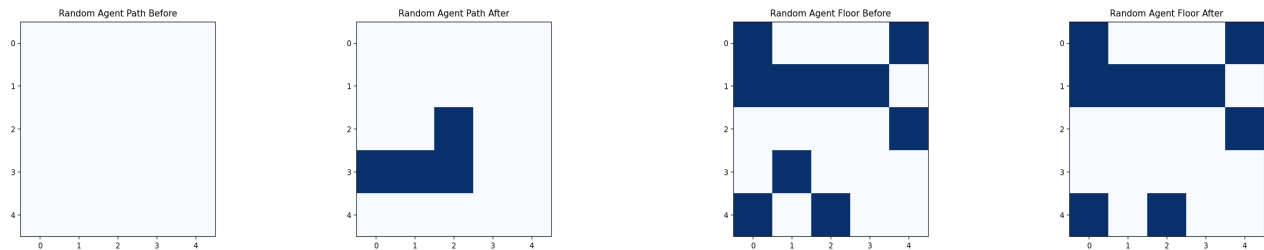


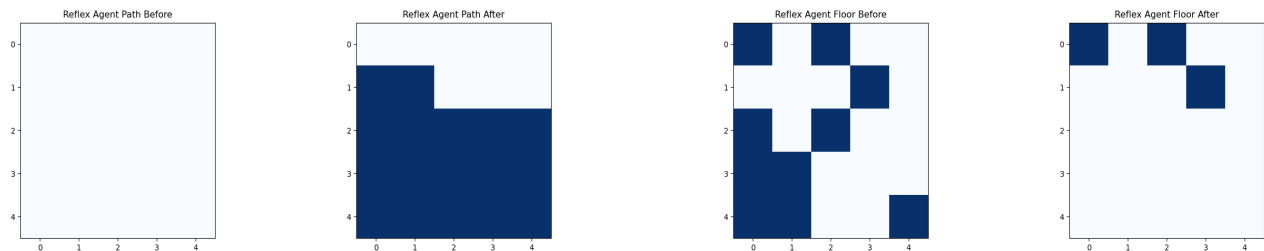
TEAM: Ashmitha Pais, Fabian Weiland, Lokesh Telaprolu, Siham, Amogh Ranganathaiah

## VACCU CLEANER WORLD SIMULATION WITH DIFFERENT TYPES OF AGENTS

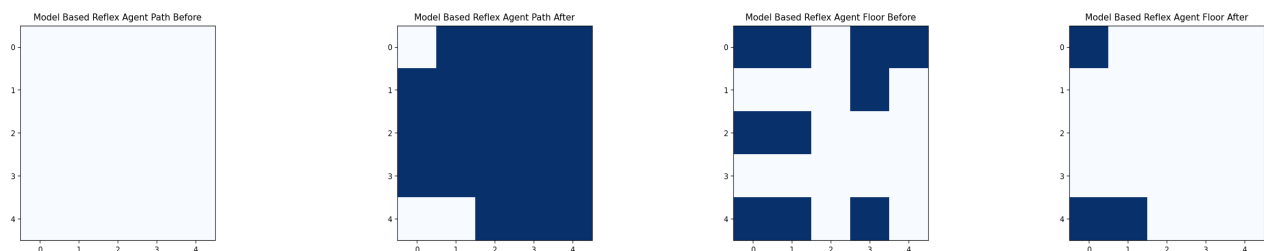
### 1) Randomized Agent



### 2) Reflex Agent



### 3) Model Based Reflex Agent



### 4) Comparison

```
(base) amogh@Amoghs-Laptop VaccumCleaner % python3 main.py --rows 5 --columns 5 --dirt_percentage 40
Average number of Tiles cleaned from Random Agent is: 2.69
Average number of Tiles cleaned from Reflex Agent is: 8.65
Average number of Tiles cleaned from Model Reflex Agent is: 8.65
(base) amogh@Amoghs-Laptop VaccumCleaner % python3 main.py --rows 50 --columns 50 --dirt_percentage 40
Average number of Tiles cleaned from Random Agent is: 5.69
Average number of Tiles cleaned from Reflex Agent is: 14.21
Average number of Tiles cleaned from Model Reflex Agent is: 13.65
(base) amogh@Amoghs-Laptop VaccumCleaner % python3 main.py --rows 100 --columns 100 --dirt_percentage 40
Average number of Tiles cleaned from Random Agent is: 6.77
Average number of Tiles cleaned from Reflex Agent is: 14.92
Average number of Tiles cleaned from Model Reflex Agent is: 14.99
```