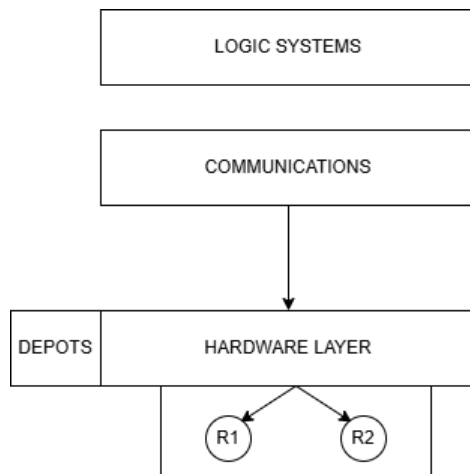


SYSTEM ARCHITECTURE

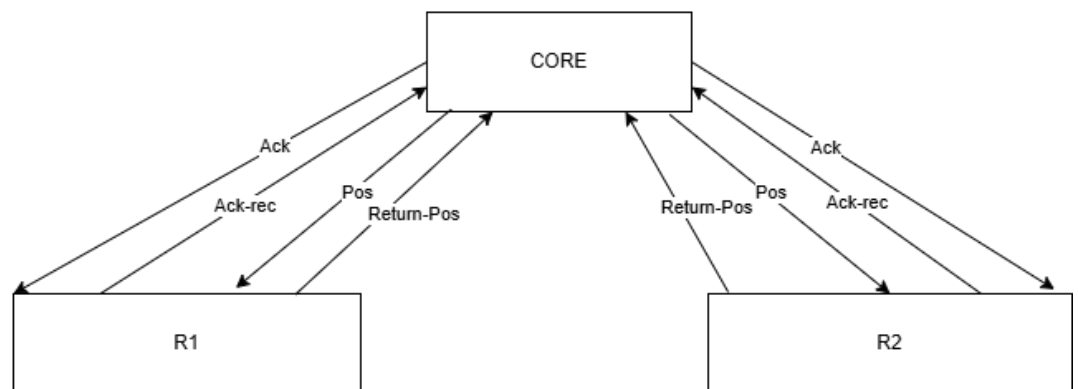


Logic Systems:

- Simulation Environment
- Path Finding Algorithm
- Conflict Resolution Algorithm
- Task Allocation Algorithm
- Database

Communications:

- ROS Communication between robots
- 4-way Handshake
- 3 Nodes
- Graph Representation



- 3 Node Ros System
- 4 Independent Channels