Project Information

1. Student Name		Student ID	
2. Student Name		Student ID	
3. Student Name		Student ID	
4. Student Name		Student ID	
Group ID			

Project Title	
Domain	Smart building Autonomous vehicle
Type	*Specify the type of the non-residential building (e.g., warehouse, offices) or the type of the autonomous ground vehicle (e.g., delivery van, taxi).*

Project Description	Monitoring	*Specify what monitoring aspects your system includes.*
	Auotmation	*Specify what automation aspects your system includes.*
	Objective	

Code Repository Link	*Give a link to code repository (e.g., GitHub, Bitbucket, etc.). See slide 56 in slides set "01 Overview and logistics".*

System Design

	Components	Functionality
System components	IoT	
	Context	
	Problem generation	
	Planning	
	Execution	
	Broker	
	Knowledge base	

Other. *Specify what other logical components your system has.*

System Architecture Diagram

Include a clear diagram of your system architecture Ensure the diagram is a logical design and is not dependent on deployment and/or implementation.

System Distribution

Number of Machines and Components Distribution	2+ machines
	Specify the type of each machine (e.g., PC, cloud, or Raspberry Pi).
	Type
	Specify what logical components are deployed on each machine.
	Components

IoT

Sensors

Sensor (e.g., temperature)	Physical	Software-based	Human-based	Simulated	Virtual

Other. Specify the remaining sensors and their types (if more than 4 sensors)

Actuators

Actuator	Physical	Software-based	Human-based	Simulated	Virtual

Other. Specify the remaining actuators and their types (if more than 4 actuators)

System Integration

Mechanism	Publish-subscribe Message queue One-to-one		
Messaging Middleware	JMS ZeroMQ Apache Kafka RabbitMQ Redis IBM WebSphereMQ Apache Qpid Other:	**Protocol**	MQTT DSS XMPP AMQP Other:
Mechanism	*Explain briefly which components of your system use indirect communication.*		

Visualisation

What is displayed	Latest plan generated Current state. *Briefly specify what exactly:* User control. *Briefly explain:* Other. *Briefly explain:*

AI Planning

AI Planning Technique	Classical planning HTN planning Other: [ ]
AI Planner	*Specify the name and link to the AI planner used in your project:* [ ] *Explain briefly why the chosen AI planner is appropriate for your project:* [ ]
Domain Model	*Explain briefly the main components of your domain model:* [ ]
Problem Instance	*Explain briefly what constitues an initial state in your problem instances:* **Initial State** [ ] *Explain briefly what constitutes a goal in your problem instances:* **Goal** [ ] **Problem instances are generated** — Once, before system starts. Whenever a state change happens. Other. *Explain briefly:* [ ]