Assignment Title

# 1. Problem Statement

## Problem Description

This should contain word description of the problem including background, importance etc.

## Formal Problem Statement

Mathematical formulation of the problem (input/output specification, Optimization, etc.)

# 2. AI Modelling

Details of how the formal problem statement can be mapped to a AI problem (e.g.. Search, CSP, SAT, Planning, Reasoning, Machine learning etc.)

# 3. Solution Approach

* How do you conceptualize the solution? This may vary depending on how AI modelling is done. For example, if a problem is being mapped to a Bayesian Belief Network, one need to specify the variables, BBN, the CPTs, querying BBN etc.
* Programming language/environment being used.

**For the interim report, the first two sections should be clearly specified. It is OK if the third section is underspecified in this stage. However, it has to be properly specified in the final submission**