A red sign with white text

Description automatically generated

BSc Computer Science

**Module Title**

Advanced Artificial Intelligence

**Assessment Title**

Technical Report: MLAAS

**Assessment Weighting**

100% of the module mark

**Student Name | Number**

Matthew Sherwood | 22034915  
Ksawery Buczek | 22031584   
Reece Turner | 22036698   
Levente Mate | 22037146   
Kane Hill | 22038385

(10/02/2025)

**Contents**

[**1.0** **Introduction** 5](#_Toc189503613)

[**2.0 Problem Definition and Algorithm** 5](#_Toc189503614)

[2.1 Problem Definition – Challenges presented by the problem 5](#_Toc189503615)

[2.2 Algorithm – Candidate approaches considered 5](#_Toc189503616)

[**3.0 Architecture Design Choices** 5](#_Toc189503617)

[4.1 Interface 5](#_Toc189503618)

[4.2 Database 5](#_Toc189503619)

[4.3 Algorithm 5](#_Toc189503620)

[**4.0 Experimental Evaluation** 5](#_Toc189503621)

[4.1 Design 5](#_Toc189503622)

[4.2 Implementation 5](#_Toc189503623)

[4.3 Testing 5](#_Toc189503624)

[**5.0 Legal, ethical, profession issues, and Generative AI** 5](#_Toc189503625)

[5.1 Legal implications 5](#_Toc189503626)

[5.2 Ethical issues 5](#_Toc189503627)

[5.3 Professional Issues 5](#_Toc189503628)

[5.4 Use of Generate AI 5](#_Toc189503629)

[**6.0 Conclusions and further work** 5](#_Toc189503630)

[**7.0 References** 5](#_Toc189503631)

[**8.0 Appendix** 5](#_Toc189503632)

**Table of Figures**

**No table of figures entries found.**

**Table of Tables**

**No table of figures entries found.**

# **Introduction**

# **2.0 Problem Definition and Algorithm**

## **2.1 Problem Definition – Challenges presented by the problem**

## **2.2 Algorithm – Candidate approaches considered**

# **3.0 Architecture Design Choices**

## **4.1 Interface**

## **4.2 Database**

## **4.3 Algorithm**

# **4.0 Experimental Evaluation**

## **4.1 Design**

## **4.2 Implementation**

## **4.3 Testing**

# **5.0 Legal, ethical, profession issues, and Generative AI**

## **5.1 Legal implications**

## **5.2 Ethical issues**

## **5.3 Professional Issues**

## **5.4 Use of Generate AI**

# **6.0 Conclusions and further work**

# **7.0 References**

# **8.0 Appendix**