Chapter 9

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Appendix A:

Software Code

A.1 Introduction

Software code used to implement the Agent-based Solution for Improving Abstracts is provided in a CD along with this thesis and the description of the source code is presented here.

A.2 Coordination Agent

Software code used to implement the coordination agent of the Agent-based Solution for Improving Abstracts is presented here.

A.3 Parser Agent

Software code used to implement the parser agent of the Agent-based Solution for Improving Abstracts is presented there of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations Problem Agent WWW.lib.mrt.ac.lk

A.4

Software code used to implement the problem agent of the Agent-based Solution for Improving Abstracts is presented here.

A.5 Solution Agent

Software code used to implement the solution agent of the Agent-based Solution for Improving Abstracts is presented here.

A.6 Conclusion Agent

Software code used to implement the conclusion agent of the Agent-based Solution for Improving Abstracts is presented here.

A.7 Content Agent

Software code used to implement the content agent of the Agent-based Solution for Improving Abstracts is presented here.

A.8 Synonym Agent

Software code used to implement the synonym agent of the Agent-based Solution for Improving Abstracts is presented here.

A.9 Improvement Agent

Software code used to implement the improvement agent of the Agent-based Solution for Improving Abstracts is presented here.

A.10 Restructure Agent

Software code used to implement the restructure agent of the Agent-based Solution for Improving Abstracts is presented here.

A.11 Abstract Concept

Software code used to implement the abstract concept of the Agent-based Solution for Improving Abstract is presented here. Theses & Dissertations www.lib.mrt.ac.lk

A.12 Message Concept

Software code used to implement the message concept of the Agent-based Solution for Improving Abstracts is presented here.

A.13 Parser Ontology

Software code used to implement the parser ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.14 Problem Ontology

Software code used to implement the problem ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.15 Solution Ontology

Software code used to implement the solution ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.16 Conclusion Ontology

Software code used to implement the conclusion ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.17 Content Ontology

Software code used to implement the content ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.18 Synonym Ontology

Software code used to implement the synonym ontology of the Agent-based Solution for Improving Abstracts is presented here. Moratuwa, Sri Lanka.

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A.19 Improvement Ontologylib.mrt.ac.lk

Software code used to implement the improvement ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.20 Restructure Ontology

Software code used to implement the restructure ontology of the Agent-based Solution for Improving Abstracts is presented here.

A.21 Abstract GUI

Software code used to implement the graphical user interface of the Agent-based Solution for Improving Abstracts is presented here.

A.22 Text Area Output Stream

Software code used to implement the redirecting the output stream to text area of the Agent-based Solution for Improving Abstracts is presented here.

Appendix B:

User Interfaces of the Proposed System

B.1 Introduction

Screen shots of the user interfaces of the proposed system, Agent-based Solution for Improving Abstracts are presented here.

B.2 Main User Interface of ASIA

Screen shot of the Main User Interface of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

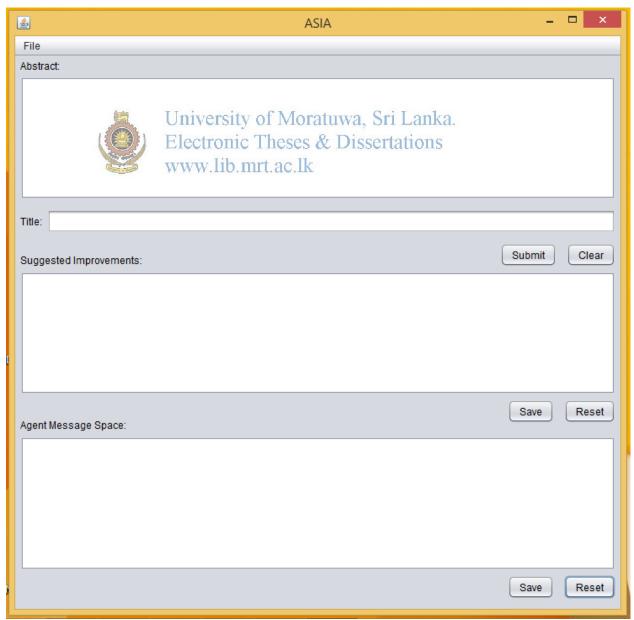


Figure B.1: Main User Interface of ASIA

B.3 JADE Remote Agent Management GUI

Screen shot of the user interface, JADE Remote Agent Management GUI of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

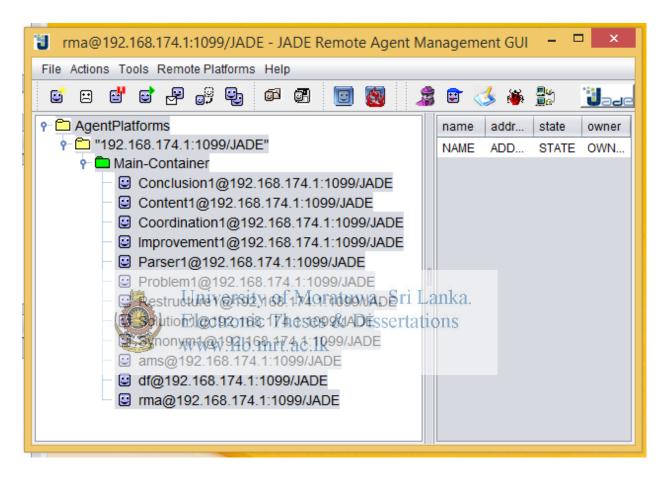


Figure B.2: JADE Remote Agent Management GUI

B.4 Open Abstract Dialog GUI

Screen shot of the user interface, Open Abstract Dialog of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

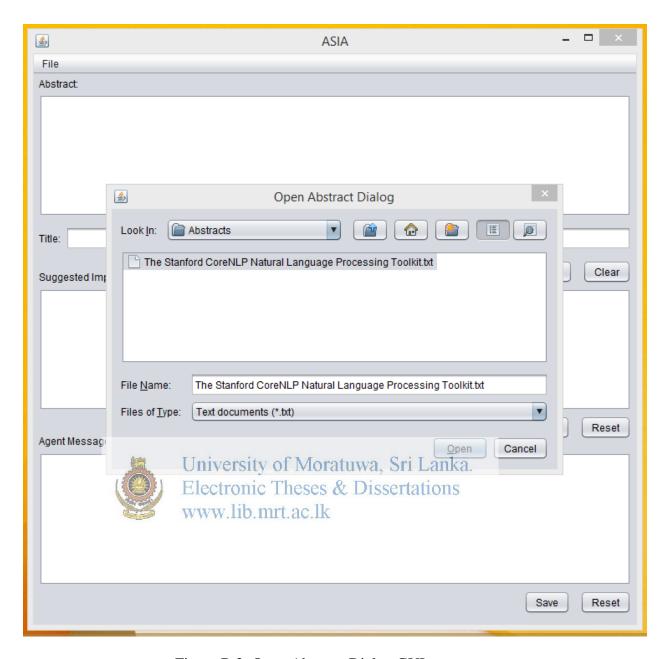


Figure B.3: Open Abstract Dialog GUI

B.5 Abstract Open in the Text Area

Screen shot of the user interface; Abstract Open in the Text Area of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

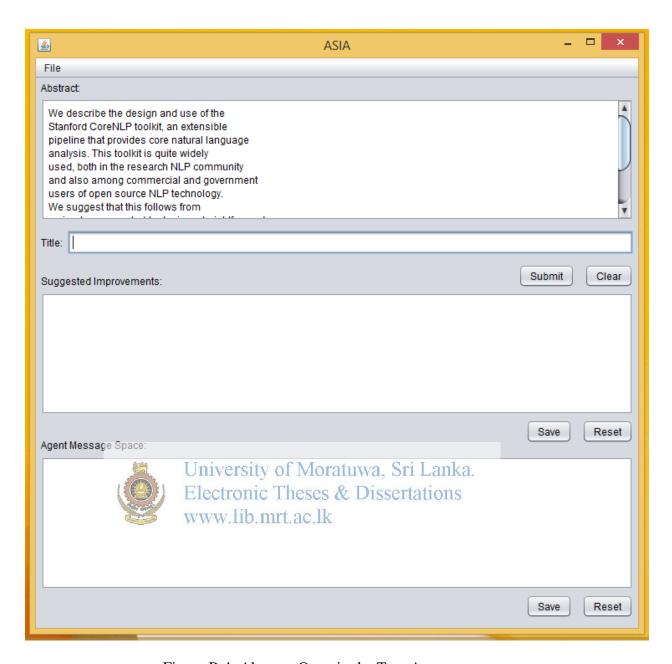


Figure B.4: Abstract Open in the Text Area

B.6 Enter the Title of the Abstract in the Text Area

Screen shot of the user interface; enter the Title of the Abstract in the Text Area of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

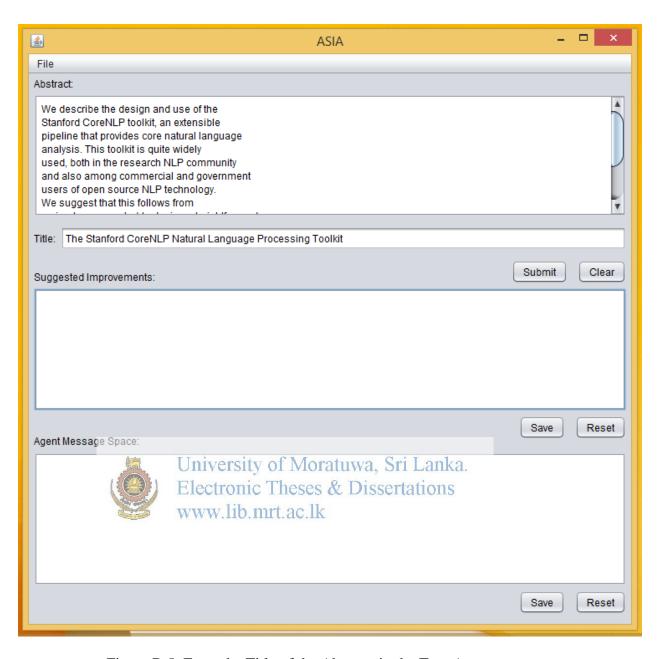


Figure B.5: Enter the Title of the Abstract in the Text Area

B.7 Submit the Abstract to the System

Screen shot of the user interface; Submit the Abstract to the System of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

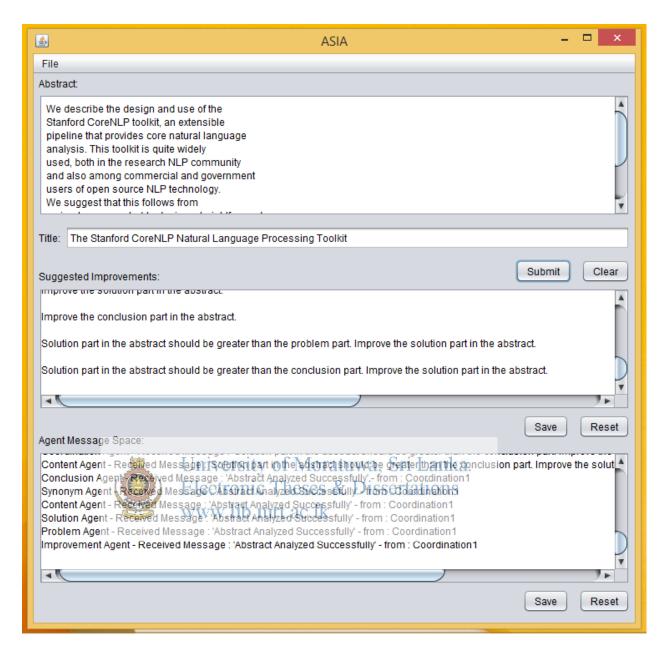


Figure B.6: Submit the Abstract to the System

B.8 Save the Suggested Improvements

Screen shot of the user interface; Save the Suggested Improvements of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

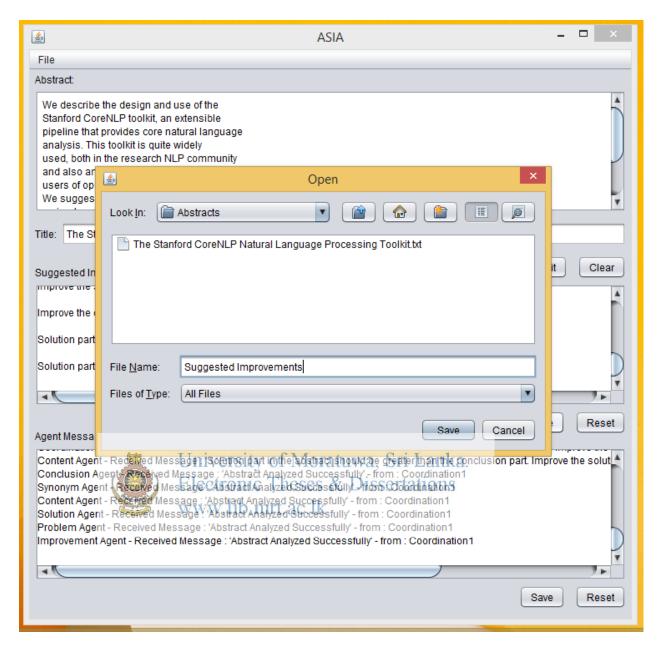


Figure B.7: Save the Suggested Improvements

B.9 Save the Agent Message Space

Screen shot of the user interface; Save the Agent Message Space of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

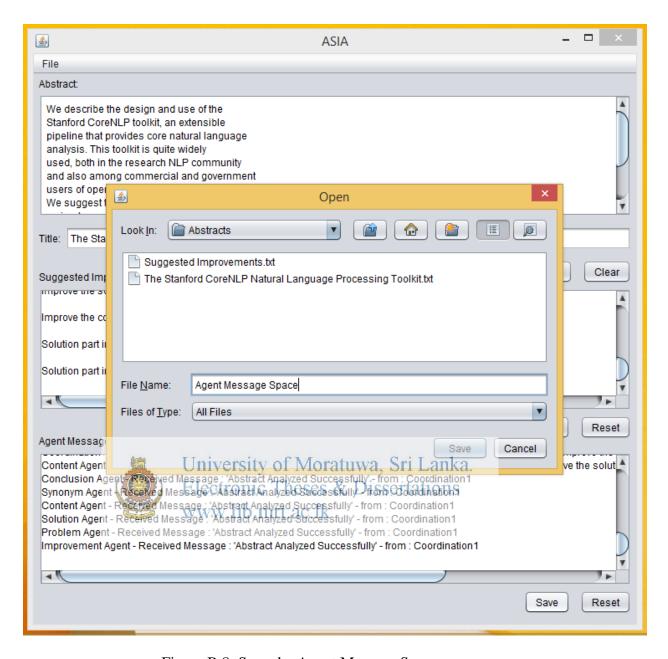


Figure B.8: Save the Agent Message Space

B.10 Clear the Agent Message Space

Screen shot of the user interface; Clear the Agent Message Space of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

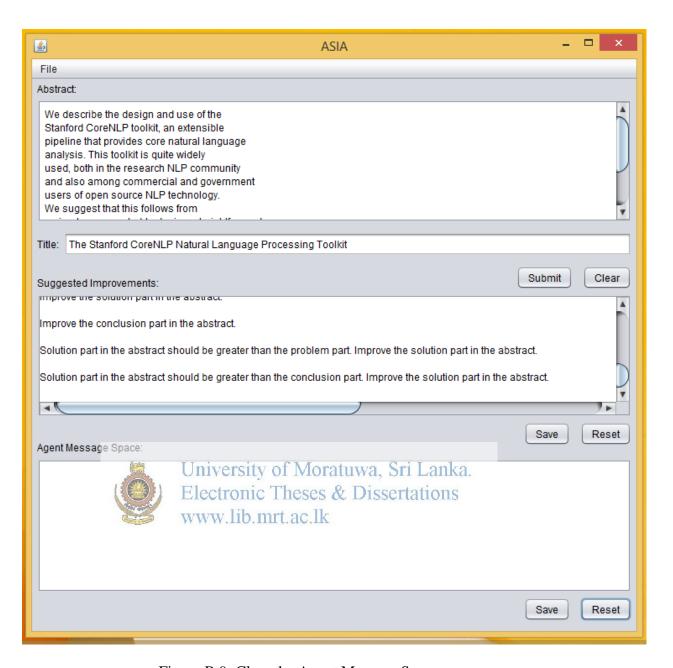


Figure B.9: Clear the Agent Message Space

B.11 Clear the Suggested Improvements

Screen shot of the user interface; Clear the Suggested Improvements of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

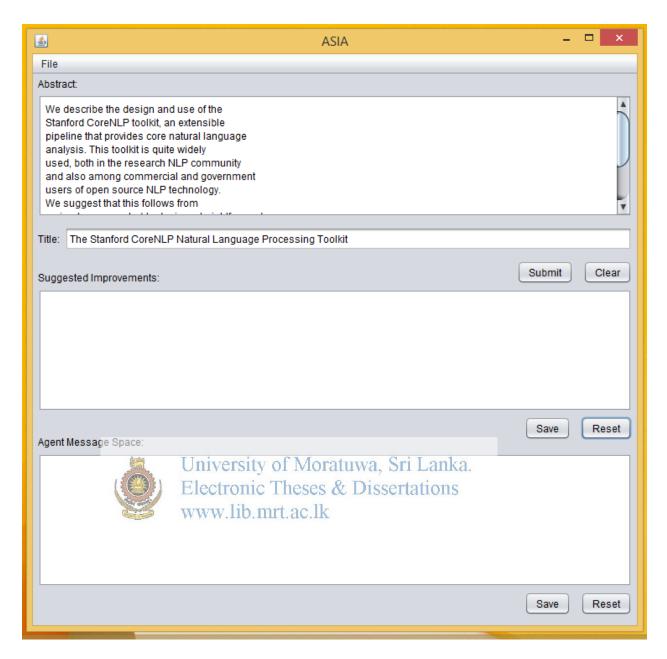


Figure B.10: Clear the Suggested Improvements

B.12 Clear the Abstract and Title

Screen shot of the user interface Clear the Abstract and Title of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

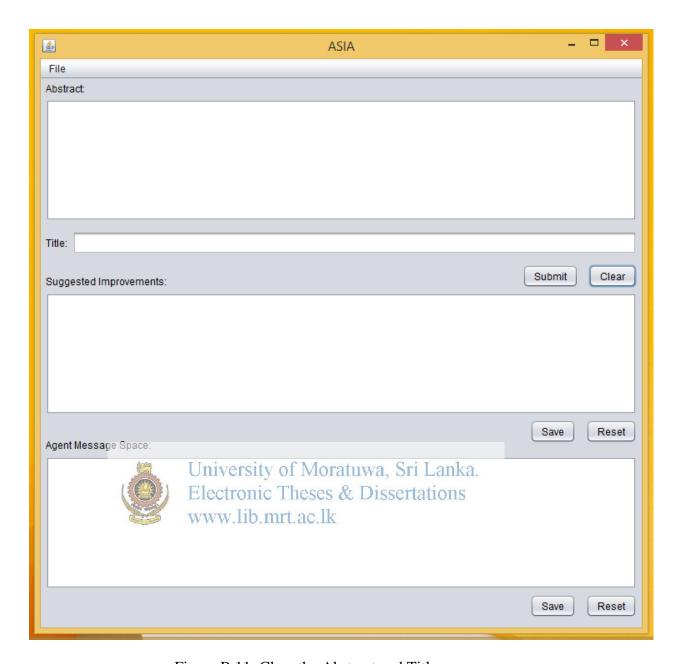


Figure B.11: Clear the Abstract and Title

B.13 Project Workspace in NetBeans IDE

Screen shot of the Project Workspace in NetBeans IDE of the proposed system, Agent-based Solution for Improving Abstracts is presented here.

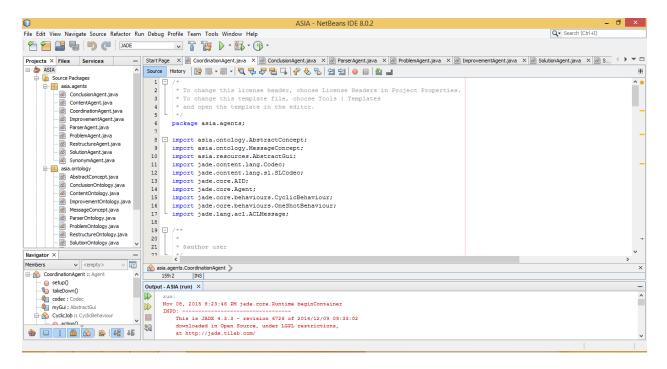


Figure B.12: Project Workspace in NetBeans IDE

B.14 Project Run Output in NetBeans IDE ratuwa, Sri Lanka.

Screen shot of the Project Run Output in NetBeans IDE of the proposed system, www.lib.mrt.ac.lk

Agent-based Solution for Improving Abstracts is presented here.

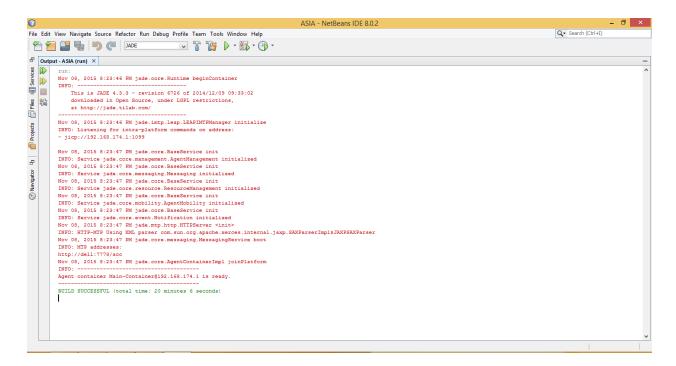


Figure B.13: Project Run Output in NetBeans IDE