**Chapter 1:**

**Intro**

**Background**

**Problem statement**

**Aim and objective**

**Brief chapter intro**

**New chapter 3 ( requirement analysis )**

**Chapter 3 Design ( change to chapter 4 )**

3.0 Overview

3.2 Use Case Diagram

3.3 Sequence Diagram

?3.4 Class Diagram ( removed ) ( consider flow chart instead or activity diagram )

3.7 Summary

**Chapter 4 Implementation ( talk about model features and implementation here )**

4.0 Overview

4.1 Interpretation of dataset

4.1.1 Initial research on dataset

4.1.2 Experimentation on existing datasets

4.1.3 Creation of custom datasets

4.2 Implementation Block Diagram

4.3 Pre-processing and splitting of Dataset.

4.4 Model Compilation

4.5 Call-backs Function

4.6 Fit Model

4.7 Save Model

4.8 Model Summary

4.9 Model Performance Summary

4.10 Summary

**Chapter 5 Testing** (include mAP and mAR evaluation here)

5.0 Overview

5.1 Comparison of Model based on changes made in model architecture.

5.2 Comparison of Model based on changes made in batch size.

**Chapter 6 Evaluation ( Android to Python change explanation here )**

6.0 Overview

6.1 Product Evaluation – functional requirements

6.2 Strengths and Weakness of Product

6.3 Challenges Faced

6.4 Process Evaluation ( Map back to objectives listed in proposal )

6.4.1 Initiation Phase

6.4.2 Planning Phase

6.4.3 Analysis Phase

6.4.4 Implementation Phase

6.4.5 Testing Phase

6.4.6 Report Documentation Phase

6.3 Summary

**Chapter 7: Conclusion and Recommendation**

7.1 Conclusion

7.2 Recommendation

7.3 Improvements

**References**

**Appendix A : Project Proposal**

**Appendix B : User Manual**