Republic of Tunisia

Ministry of Higher Education and Scientific Research

**General Directorate of Technological Studies** 

**Institute of Technological Studies of Bizerte** 

**Department of Electrical Engineering** 

#### CAPSTONE PROJECT

for the diploma

LICENSE IN ELECTRICAL ENGINEERING

prepared by

\*\*\* \*\*\*

#### **PROJECT TITLE**

Presented on \*\* \*\*\* \*\*\* in \*\*\* before the examination committee:

**Chairman:** MR(S) \*\*\* \*\*\* \*\*\*, \*\*\*\*

**Reviewer:** MR(s) \*\*\* \*\*\* \*\*\*, \*\*\*\*

**Advisor:** MR(S) \*\*\* \*\*\* \*\*\*, \*\*\*

**Co–advisor:** MR(S) \*\*\* \*\*\* \*\*\*, \*\*\*

### Acknowledgments

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#### **General Introduction**

#### **Context and motivations**

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#### Purpose and work strategy

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#### **Outline**

The present dissertation is divided into four chapters, organized as follows:

Chapitre 1 \*\*\*.

Chapitre 2 \*\*\*.

Chapitre 3 \*\*\*.

Chapitre 4 \*\*\*.

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4 Chapter 1. \*\*\*

#### 1.1 Introduction

\*\*\*.

1.2 \*\*\*

\*\*\*.

#### 1.3 Conclusion

#### \*\*\*

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6 Chapter 2. \*\*\*

#### 2.1 Introduction

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2.2 \*\*\*

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#### 2.3 Conclusion

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8 Chapter 3. \*\*\*

#### 3.1 Introduction

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#### 3.3 Conclusion

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#### 4.1 Introduction

\*\*\*.

4.2 \*\*\*

\*\*\*.

#### 4.3 Conclusion

#### **General Conclusion**

#### **Summary**

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#### Ongoing and future work

By the end of this project, numerous problems still remain open. Several points deserve further investigations:

- **▶** \*\*\*.
- **▶** \*\*\*.
- **▶** \*\*\*
- **▶** \*\*\*.

## **Appendices**

# Appendix A

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A1!			
Appendix			
P P			

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**Mots clés :** 111 ; 222 ; 333 ; \*\*\* ; \*\*\* ; \*\*\*.

#### Abstract

\*\*\*.

**Keywords:** \*\*\*; \*\*\*; \*\*\*; \*\*\*; \*\*\*.