**People's Democratic Republic of Algeria**

**Ministry of Higher Education and Scientific Research**

**University Echahid Cheikh Larbi Tebessi- Tebessa**

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**Faculty of Exact Sciences and Natural and Life Sciences**

**Department of computer science/mathematics**

**Domiciliation laboratory: laboratory of mathematics, informatics and systems (LAMIS)**

**Thesis**

**Presented and Publicly Defended for Obtaining**

**the Diploma of Doctorate in Third Cycle**

**Domain:** mathematics and computer science **Field:** mathematics/computer science

**Speciality**: ………………..…

**By:**

**Name and Last name**

***Title***

**………………………………………………………………………………………………………………………………………………..**

Defended on : ………………...... Before the jury composed of:

**Full name Rank University**

**Mr…………..** ………. Univ. of …... President

**Mr…………..** ………. Univ. of …… Supervisor

**Mr…………..** ………. Univ. of …… Co- supervisor

**Mr…………..** ………. Univ. of …… Examiner

**Mr…………..** ………. Univ. of ……. Examiner

**Mr…………..** ………. Univ. of …….. Examiner

**Academic year**: ……....................