**University of Electronic Science and Technology of China**

**School of Information and Software Engineering**

**Experiment Report**

Student ID：

Student Name：

Course Name： Python Practical Programming

Experimental Teacher： Rao Yunbo

1. Experiment title： Natural Language Processing

2. Experiment hours：4h Experiment location: Software Building 400

3. Objectives

At the end of this experiment, you will be able to:

* How to install Jupyter software for NLP.
* How to use Natural Language Processing Tasks.

4.Experiemental contents & step

(1) using Jupyter for Natural Language Processing Tasks.

(2) understand twitter\_Logistic.ipynb code.

(3) understand bi\_lstm.ipynb code.

(4) understand Word2Vec code.

(5) understand GloVe code.

Please show experimental results and pictures in your report.

For example:

**<1>Installing the JDK for Windows**

**Step 1:** Find a folder named JDK, and inside that folder you will find an executable file with the following name: *jdk-6uXX-windows-i586-p.exe*

The *XX* in the filename will be the software’s update number. For example, if the CD contains update 10, the *XX* in the filename will be jdk-6u10-windows-i586-p.exe. This file is an executable program that will install the Java™ 6 JDK for Windows on your computer. Run the file.

**Step 2:** A license agreement screen, such as the one shown in Figure will appear next. Read the agreement, then click the *Accept* button.

**Step 3:** A Custom Setup screen, such as shown in Fig.1, appears next. Make sure *Development Tools* is selected. Also, notice that at the bottom of the window you see the words “Install to:” followed by the path C:\Program Files\Java\jdk1.6.0\_XX. (The “XX” will be a number.) This is the location where the fi les will be installed. Click the *Next* button.



Fig.1 Custom Setup screen

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5. Experimental analysis

Report score：

Instructor's signature：