

## Appendix D

### System Requirement

1. jdk 1.7.0 and above must be installed since it is a java application.
2. An environmental variable must be created to enable UTF-8, which is very necessary for Indian languages. The procedure is given below.
  - a. First right click on the my computer icon in the desktop and select the properties.
  - b. Then click on change setting option and select the advanced option. Environment variables button will appear. click on it.
  - c. Then select the NEW button under system variable setting, a new system variable window will appear.
  - d. Now type variable name as JAVA\_TOOL\_OPTIONS and variable value as -Dfile.encoding=UTF8 and then press the necessary "OK" and "APPLY" button on every window to successfully enable your UTF-8 with the TOOL.

## Manual of the Tool

### Steps for loading and running the NER tool

1. This NER tool contains one Executable file (NER.exe) and a NER1 folder. The NER1 folder should be kept in the "E" drive of your computer and Executable file should be kept in the desktop of your computer.

2. NER tool is divided into the modules STEMMING, CHUNKING AND FINALLY NER DETECTION. For three modules three different windows will open. Please don't close any of the window which may cause the closing of the application.

3. Run the executable file to open the "STEMMING TOOL". You have to browse your plain text document (must be in .txt format) from the computer. After execution a new file(.txt) will be generated near the NER.exe and OPEN CHUNKING TOOL button will appear in the window.

4. Click on the button "OPEN CHUNKING TOOL" to open the chunking tool window. Now first browse the lexicon file from E:/NER1/NER and select the nepalilex.txt file. After that browse the text file which is generated during "STEMMING TOOL" execution. Press "click here" for executing the chunking tool. A chunk.txt file will be generated after the successful execution. You can see the output also in the text area of the Tool.

5. After the successful execution of the chunking tool "OPEN NER TOOL " button will appear in the chunking tool window. Click on the button to open the "NER DETECTION TOOL" window.

6. Once the window appear first browse the gazetteer file from E:/NER1/NER and select the gazetteer.txt file. Secondly browse the auto generated chunk.txt file. Press "click here" button to execute the tool. An outputtext.txt file will be generated after successful execution. The final output will also be displayed in the text area of the "NER DETECTION TOOL".