Software Technical Instructions for Project Re-use and Extension

For KDD- Service based Numerical Entity Searcher

(KSNES)

Version 1.0

Submitted in partial fulfillment of the Masters of Software Engineering degree.

Naga Sowjanya Karumuri
CIS 895 – MSE Project
Department of Computing and Information Sciences
Kansas State University

Committee Members
Dr. William. H. Hsu
Dr. Torben Amtoft
Dr. Mitchell Neilsen
## Change Log

<table>
<thead>
<tr>
<th>Version #</th>
<th>Changed By</th>
<th>Release Date</th>
<th>Change Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1.0</td>
<td>Sowjanya</td>
<td>04/02/09</td>
<td>Initial Release</td>
</tr>
</tbody>
</table>
# Table of Contents

Change Log........................................................................................................................................2

1. Purpose........................................................................................................................................4

2. Reusing the Project.........................................................................................................................4

3. Project Extension............................................................................................................................4

3.1. Adding more patterns to the NPE Package.................................................................................4

3.2. Improving NDPR package...........................................................................................................4

3.3. Improving the output display.....................................................................................................4
1. Purpose

This document presents the details about reusing and improving the current project. For project reuse, it explains the file types to be read and modified. For project extensions, the paper explains how the features can be done to the project.

2. Reusing the Project

KSNES is set up on the server of the KIIAC and access to this can be available by contacting the administrator of that webpage. Since the whole system is set as a service, a different interface can be used to connect to it.

3. Project Extension

As explained in the Project Evaluation Report the following changes can be made to the current system in order to improve its efficiency.

3.1. Adding more patterns to the NPE Package

There are certain numerical phrases that are not being filtered by the current system and hence some more new patterns can be added to the system to make it more effective. These newly added patterns would be added in such a way that they do not clash with previous patterns.

3.2. Improving NDPR Package

In order to analyze and process the filtered numerical phrases from the NPE package, more conditions had to be added to classes in the NDPR package. These conditions should be added so that they do not interfere with the previous conditions.

3.3. Improving the output display

Displaying the output can be done in a more effective manner by assigning different colors to the date and number types.