**School of Computing Science and Engineering**

**LAB - 4 Exercises**

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| **Course Code** | **:** | **CSE3025 – Large Scale Data Processing** | **Date** | **:** | **14/08/2019** |
| **Lab Experiment** | **:** | **MapReduce Programming Exercise on Word Count Problems** | **Slots** | **:** | **L15+L16** |
| **Instructors** | **:** | **Dr. Bharadwaja Kumar and Prof. Ramesh Ragala** | | | |

Objective:

1. To understand the detailed processing of MapReduce Framework

Problem- 1:

Develop a Java MapReduce Application to produce unique <key-value> pairs from given text file, where the key consists of a single word and value consists of the word which has all the characters of the corresponding key in reverse order.

Problem – 2:

Develop a Java MapReduce Application to produce unique <key-value> pairs from given text file, where the key consists of a single word and value contains length of the corresponding key.

Problem – 3:

Develop a Java MapReduce Application to produce the following results for any one of the attribute in a given CSV file. [Assume CSV has more than two attributes and all these attributes have numerical values.]

1. Sum
2. Average
3. Median
4. Mode
5. Standard Deviation