**DIRECTED ACYCLIC GRAPH DATA OFFLOADING FOR IOT-ASSISTED CLOUD EDGE COMPUTING**

This design and implementation were tested under mentioned hardware and software environmental.

**Research Area**

Cloud Computing

**Software Requirements**

Language : Java JDK 1.8

Tools : Netbeans 8.1, CloudSim 4.0 with WorkflowSim 1.1.

Front-End : Java Swing

Database : MySQL 5.5.40

Operating System : Ubuntu 12.04 LTS 64-bit/Windows

**Hardware Specifications**

Processor : Intel Pentium (R) Dual-Core CPU E5800 @3.20GHz x2

Memory : 4 GB RAM

Hard Disk Drive : 500 GB

**Workloads(DAG workflow)**

CyberShake\_30.xml,

CyberShake\_50.xml,

CyberShak\_100.xml

How to do run the project?

1. Start NetBeans IDE=>File=>Open Project=>choose coding folder (source of projects)=>open projects “DCOM”.
2. Select the Projects window =>explore the project from left side of Netbeans IDE =>choose “Libraries”=>Right click on it to select “Add JAR/Folder” and add the jar files from the JAR Folder(List of jar files mentioned below and it can be downloaded as open source).

(Note : Jar files to be added )

1. commons-math3-3.6.1.jar
2. opencsv-3.3.jar
3. guava-18.0.jar
4. json-simple-1.1.1.jar
5. jfreechart-1.0.19.jar
6. mysql-connector-java-5.0.8-bin.jar
7. jcommon-1.0.8.jar

3. Then open the project main file “InterfaceScreen.java” in the IDE and select the “Run file” from “Run” menu to execute the project.