**Fr. Conceicao Rodrigues College of Engineering**

**Department: Information Technology Academic Term: July-Nov2019**

**Subject Name: Java Programming Lab (ITL304) Class: SEIT- SEM 3**

**Course Outcomes:**

**ITL304.1 :** Implement Object Oriented programming concepts using basic syntaxes of control structures,strings and function for developing skills of logic building activity.

**ITL304.2:** Identify classes, objects, members of a class and the relationships among them needed for finding the solution to specific problem.

**ITL304.3:** Demonstrate how to achieve reusability using inheritance, interfaces and packages and describe faster application development can be achieved.

**ITL304.4:** Demonstrate understanding and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.

**ITL304.5:** Identify and describe common abstract user interface components to design GUI in JAVA using Applet & AWT along with response to events.

**ITL304.6:** Identify, design and develop complex graphical user interfaces using principal JAVA swing classes based on MVC architecture.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Experiment Title/Tutorial/ Assignment** | **CO Map.** | **Date of Perf.** | **Date of Subm.** | **Pg. No.** | **Remarks** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Certified that the term work in the subject \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

was done within the four walls of Fr. Conceicao Rodrigues College of Engineering ,

by Name of Candidate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Roll No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in semester \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Exam Seat No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Teacher –in-charge Principal