

## **Software Engineering Lab assignment (CS751)**

### **Assignment 1 : Debugging in Linux using GDB**

**Duration : 2 weeks**

#### **Features to try out using GDB :**

1. Running a program
2. Loading symbol table
3. Setting a break-point
4. Listing variables and examining their values
5. Printing content of an array or contiguous memory
6. Printing function arguments
7. Next, Continue, Set command
8. Single stepping into function
9. Listing all break point
10. Ignoring a break-point for N occurrence
11. Enable/disable a break-point
12. Break condition and Command
13. Examining stack trace
14. Examining stack trace for multi-threaded program
15. Core file debugging
16. Debugging of a already running program
17. Some more advance concepts based on your interest - for example 'watchpoint'