**Course Name: Lab Course Advance Java Programming**      **Course Code: PGICT20P105**

# List of Practicals to be conducted

- Write a Program that displays Welcome to Java, Learning Java Now and Programming is fun.
- Write a program that reads a number in meters, converts it to feet, and displays the result.
- Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a program that prompts the user to enter a weight in pounds and height in inches and displays the BMI.
  Note: - 1 pound=.45359237 Kg and 1 inch=.0254 meters.
- Write a program that reads an integer and displays all its smallest factors in increasing order. For example, if input number is 120, the output should be as follows:2,2,2,3,5.
- WAP to find the factorial of a given number using Recursion.
- WAP to design a class using abstract Methods and Classes.
- WAP to design a String class that perform String Method (Equal, Reverse the string, change case).
- WAP to handle the Exception using try and multiple catch block.
- WAP that Implement the Nested try Statements.
- WAP to Create a package that access the member of external class as well as same package.
- WAP that import the user define package and access the Member variable of classes that Contained by Package.
- WAP that show the partial implementation of Interface.
- WAP to Handle the user defined Exception using throw keyword.
- WAP to create a thread that Implement the Runnable interface.
- WAP to Implement Interthread communication.
- WAP to create a class component that show controls and event handling on that controls. (math calc).
- WAP to Draw the line, Rectangle, oval, text using the graphics method
- WAP to create a Menu using the frame. 23 WAP to create a Dialog box.
- WAP to Implement the flow layout And Border Layout.
- WAP to Implement the Grid Layout, Card Layout.
- WAP of Awtdemo2 given by me.
- WAP to demonstrate System clock.
- WAP to create Frame that display the student information.