



**D. Y. Patil Agriculture & Technical University, Talsande**  
**School of Engineering and Technology**  
**Department of Master of Computer Applications**

**Course Name: Java Programming (Lab)**

**Course Code: MCA001105**

**Class: - MCA-I**

**Year: 2022-23 Semester-I**

**List of Experiments**

<b>Sr. No.</b>	<b>Name of Experiment</b>	<b>CO Mapped</b>
1.	Study and implement basic concepts of Java Programming Language.	CO1
2.	Write a Java Program to demonstrate basic concepts of Class, Methods and Object.	CO1
3.	Write a Java Program to demonstrate Method overloading.	CO1
4.	Write a Program to implement Inheritance in Java.	CO2
5.	Write a Program to demonstrate use of Interface in Java.	CO2
6.	Write a Program to demonstrate use of Package in Java.	CO2
7.	Implementation of Exception Handling in Java.	CO2
8.	Implementation of basic Input/output operations using console and file.	CO2
9.	Implementation of Layout Managers.	CO3
10.	Develop a Swing GUI based standard Calculator program.	CO3
11.	Develop an application to demonstrate Event handling concept in GUI design.	CO3
12.	Develop an application to demonstrate Java Applet.	CO3
13.	Develop a chatting application using networking.	CO3
14.	Create an application do demonstrate use of Multithreading in Java.	CO3
15.	Write GUI based program to create a student registration and login form. Store registration data in database.	CO3
16.	Develop an application using Servlet and JSP.	CO4

**Prepared by:**  
**Course Coordinator**

**Verified by:**  
**Program Coordinator**

**Approved by:**  
**Associate Dean**