

**D.Y.Patil Agriculture & Technical
University, Talsande**

Department of MCA

Lab Manual

Data Structure and Algorithm Lab

F.Y MCA- SEM II

2022-23

Name of the course –Data Structure and Algorithm Lab

Class – FY-MCA

Practical - 2Hrs/Week

List of Experiments

Exp.No.	Title of Experiment
01	Demonstrate installation steps and different ways of invoking python file.
02	Write a program to demonstrate use of different datatypes and statements in python.
03	Write a program to implement File Handling operations.
04	Write a program to perform different database operations like Select, Insert, Update, Delete, calling procedures.
05	Write a program to implement exception Handling.
06	Provide a solution to the problem using python object oriented concepts.
07	Write a program to create access, modify, and sort multidimensional NumPy arrays.
08	Write a program to implement searching algorithms.
09	Write a program to implement various sorting algorithms.
10	Write a program to implement various stack operations.

Subject Incharge

Associate Dean