LABORATORY MANUAL

PYTHON

CS – 506

V Semester

Prestige Institute of Engineering

Management and Research

PIEMR **PRESTIGE INSTITUTE OF ENGINEERING, MANAGEMENT AND RESEARCH, INDORE**

Approved by AICTE New Delhi, DTE Govt. of MP Bhopal and Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal M.P.

Department of Computer Science & Engineering (Accredited by NBA)

DEPARTMENT OF
COMPUTER SCINECE & ENGINEERING

CERTIFICATE

This is to certify that Mr./Ms. _____ with RGPV

enrolment no. _____has satisfactorily completed the course of

experiments in **Programming in python laboratory**, as prescribed by **Rajiv Gandhi**

Proudhyogiki Vishwavidhyalaya, Bhopal for **V Semester** of the **Computer Science and**

Engineering Department during year 202 -202 .

Signature of Faculty

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19	Write a Python program to right-rotate an array by *k* positions by repeatedly shifting the last element to the front.		
20	Write a program to perform lambda, * args and ** args function in python		
21	Write a Python program to perform Quick Sort.		
22	Write a Python program to develop a simple hotel ordering system. The program should display a menu card with item codes, item names, and prices. The user will enter: • An item code, and • The quantity required. You must calculate and display: • The item name, • The quantity, and • The total bill amount. Instead of using multiple if-elif statements to match item codes,		
23	Write a Python program that checks if a given input string can be rearranged to form a palindrome (an anagram of a palindrome)		
24	Develop a Python program using Object-Oriented Programming (OOP) principles to simulate a basic bank account system. The system must include a base class (Bank) for general account operations and a specialized class (Saving_Account) that demonstrates Inheritance and Polymorphism by adding specific features like interest calculation.		
25	Implementation of Library and Student Management System Using Python Classes and Objects		
26	Write a program to implement Stack using class Stack		
27	Write a program to implement Queue using class Queue		
28	Write a program to implement Linked List		