RAJIV GANDHI INSTITUTE OF TECHNOLOGY

GOVERNMENT ENGINEERING COLLEGE

# KOTTAYAM - 686 501



## DEPARTMENT OF

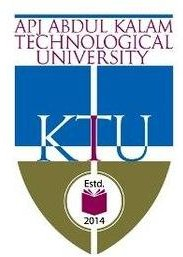
## COMPUTER SCIENCE & ENGINEERING

CSL 203 – OBJECT ORIENTED PROGRAMMING LAB (IN JAVA)

**2021-2022**

Submitted by

## *Your\_Name\_here* (*your\_ktu\_id\_here*)



KERALA TECHNOLOGICAL UNIVERSITY THIRUVANANTHAPURAM

## RAJIV GANDHI INSTITUTE OF TECHNOLOGY

GOVERNMENT ENGINEERING COLLEGE KOTTAYAM – 686 051



## DEPARTMENT OF

## COMPUTER SCIENCE & ENGINEERING

**LABORATORY RECORD**

*This is to certify that this is a bonafide record of the work done by Your\_Name\_here* *of 3th Semester (your\_ktu\_id\_here****)*** *in OBJECT ORIENTED PROGRAMMING LAB (IN JAVA)laboratory during the academic year* ***2021-2022.***

Staff in Charge

Internal Examiner External Examiner

**CONTENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EXP NO** | **DATE** | **NAME OF THE EXPERIMENT** | **PAGE NO** | **REMARKS** |
| 1 | 29/11/2021 | Program to check palindrome or not | 1 |  |
| 2 | 29/11/2021 | Program to find frequency of a character in string | 5 |  |
| 3 | 29/11/2021 | Program to multiply two matrices | 8 |  |
| 4 | 15/1/2022 | Program using Employee class | 13 |  |
| 5 | 18/1/2022 | Program to create abstract class | 19 |  |
| 6 | 18/1/2022 | Program to demonstrate garbage collector | 23 |  |
| 7 | 31/1/2022 | Program to implement file handling with reader/writer | 25 |  |
| 8 | 31/1/2022 | Program to read and write file by handling all file related exceptions | 28 |  |
| 9 | 7/2/2022 | Program using String Tokenizer | 33 |  |
| 10 | 7/2/2022 | Program showing the usage of try, catch, throws and finally | 36 |  |
| 11 | 14/2/2022 | Program implementing multi-threaded program | 40 |  |
| 12 | 14/2/2022 | Program showing thread synchronization | 44 |  |
| 13 | 14/2/2022 | Program working as simple calculator using GUI | 47 |  |
| 14 | 21/2/2022 | Program to simulate Traffic light | 57 |  |
| 16 | 21/2/2022 | Program to implement doubly linked list and perform operations | 64 |  |
| 17 | 28/2/2022 | Program to implement Quick sort Algorithm | 72 |  |
| 18 | 28/2/2022 | Program to implement Binary search algorithm | 76 |  |