

**ALARD PUBLIC SCHOOL**



**ACADEMIC YEAR : 2021-22**

**PROJECT REPORT ON**  
**BANK MANAGEMENT SYSTEM**

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**CLASS : XII**  
**SUBJECT : COMPUTER SCIENCE**  
**SUB CODE : 083**

**PROJECT GUIDE: MRS.MONA NIGAM**

# **ALARD PUBLIC SCHOOL**

## **CERTIFICATE**

This is to certify that Cadet \_\_\_\_\_ CBSE  
Roll No: \_\_\_\_\_ has successfully completed the project  
Work entitled "**BANK MANAGEMENT SYSTEM**" in the subject Computer Science  
(083) laid down in the regulations of CBSE for the purpose of Practical Examination  
in Class XII to be held in Alard Public school on \_\_\_\_\_.

**(Mona Nigam)**

PGT Comp Sci

*Master IC*

**Examiner:**

Name: \_\_\_\_\_

Signature:

Date:

## **ACKNOWLEDGEMENT**

Apart from the efforts of me, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project.

I express deep sense of gratitude to almighty God for giving me strength for the successful completion of the project.

I express my heartfelt gratitude to my parents for constant encouragement while carrying out this project.

I gratefully acknowledge the contribution of the individuals who contributed in bringing this project up to this level, who continues to look after me despite my flaws,

I express my deep sense of gratitude to the luminary **The Principal, Alard Public School** who has been continuously motivating and extending their helping hand to us.

I express my sincere thanks to the academican The **Vice Principal, Alard Public School**, for constant encouragement and the guidance provided during this project

I am overwhelmed to express my thanks to **The Administrative Officer, Alard Public School** for providing me an infrastructure and moral support while carrying out this project in the school.

My sincere thanks to **Mrs. Mona Nigam**, Master In-charge, A guide, Mentor all the above a friend, who critically reviewed my project and helped in solving each and every problem, occurred during implementation of the project

The guidance and support received from all the members who contributed and who are contributing to this project, was vital for the success of the project. I am grateful for their constant support and help.

## **MANUAL SYSTEM**

In the current system all the work is done manually by human beings which is susceptible to mistakes which can have long term negative consequences on the business in this case the bank where there is a lot of money which is in continuous flow any small human error can have lot of consequences which can in turn damage the reputation of the business which in long term can cause a lots losses to the business.

## **PROPOSED SYSTEM**

The proposed system is using data management software to maintain all the records in an automated way, directly through the customer service portal instead of a human keeping records manually.

The bank employee will also have direct access to the data base to fetch accounts and to remove accounts which are not in use. Data management initially had to be maintained by a lot of ledgers and a lot of paperwork has to be done but now by software production this organization has made their work faster and easier.

Now only this software has to be loaded on the computer and work can be done.

## **INTRODUCTION**

### **"BANK MANAGEMENT SYSTEM"**

This project is useful for the bank employees as well as customers to keep a track of account details. The emerging of digital system made information available on finger tips. By automating the transactions one can view the details as and when required in no time. This project emphasizes on creation of new customer accounts, managing the existing account holders in the bank, by making digital system one can generate daily reports, monthly reports and annual reports which can enhance the system.

## **OBJECTIVES**

Main objective of this Project is to make it easier for data to be managed and avoid manual/human errors.

The Project also focuses on making it easier for normal users and also employees to interact with this terminal UI and at the same time having a proper arrangement of the data.

All the data is stored in a database hosted on a MySQL server. From where the data is taken as and when needed and presented in a neat format for ease of readability.

## **SCOPE**

The idea is to convert it to a better and more visually appealing UI from a terminal UI and add more features to it.

Also, the vision is to make the data storing more secure by using some encryption method and to establish a connection from the UI to a remote database eliminating the need to install a MySQL server by the user.

## **WORKING ENVIRONMENT**

Python is the main language used for this project as it being a very flexible and feature rich language.

All the front end is written in Python performing the job of displaying a neat options box and user requested details.

The backend is supported by MySQL code written in Python performing the job for creating tables and adding records to it.

## **FUNCTIONS**

- a. Main menu:  
displays the main menu with options as "Login" and "Exit".
- b. Login:  
verifies user credentials for logging into their accounts.
- c. Employees menu (script):  
contains functions like employee menu, customer account details, customer transactions, remove account, create account, get number of customers taking the bank services.
- d. Members menu (script):  
contains functions like customer menu, customer account details, customer transactions, withdraw and deposit options.

## **MODULES**

- a. os:  
using the "system" function to clear terminal screen to avoid bloating the screen.
- b. random:  
using the "randrange" function to generate a random 3-digit number for user account password.
- c. bullet:  
using the "Password" function to hide the password while user types it on the screen.
- d. Mysql.connector:  
using the "connect", "cursor" and "execute" function establish connection to the DB, initialise the cursor so as to read/write data and finally to execute mysql code using python.

## **BIBLIOGRAPHY**

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