PROJECT REPORT

ON

HOTEL MANAGEMENT SYSTEM ☺

BASED ON

Python & MYSQL

THIS PROJECT REPORT SUBMITTED FOR

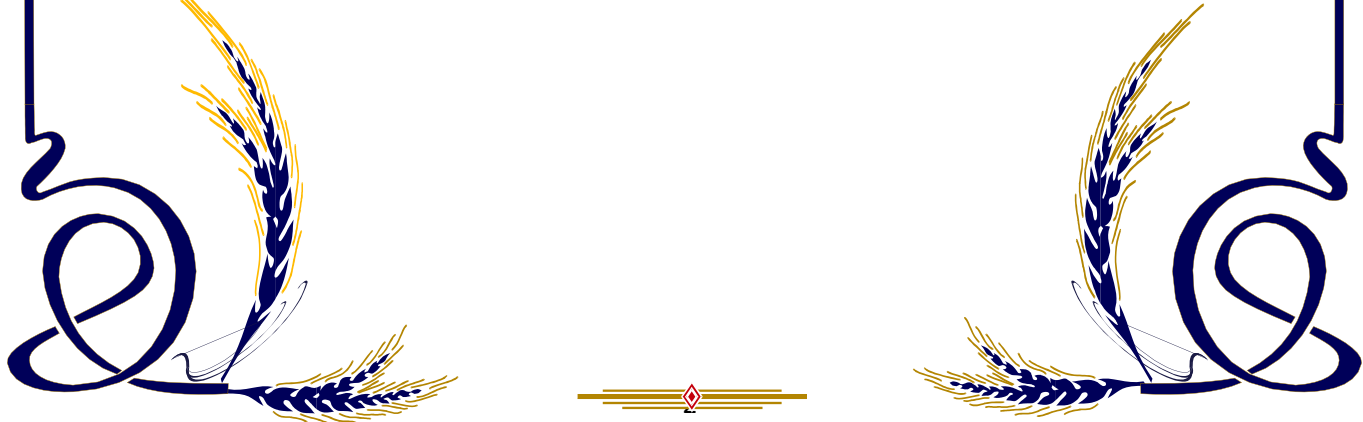FULFILMENT OF SUBJECT

Computer Science with Python

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- INTRODUCTION

- AIM

- PROGRAM LISTING / CODING OF PROJECT WITH OUTPUT

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<u>DEDICATION</u>

THIS PROJECT IS DEDICATED

TO

OUR

RESPECTED

MA'AM

GURJINDER KAUR

CERTIFICATE

THIS IS TO CERTIFY THAT **RITIK NANDAN**

HAS WORKED UNDER MY SUPERVISION ON PROJECT **School**

Management System AND COMPLETED IT TO MY FULL

SATISFACTION.

TEACHER SIGNATURE ……………….. .

DATE :   /   /

ACKNOWLEDGEMENT

I AM THANKFUL TO MY COMPUTER TEACHER WHO HELPED AND GUIDED ME WHILE MAKING THIS PROJECT. I WOULD ALSO LIKE TO THANK MY FATHER WHO HELPED ME A LOT AND GAVE ME GREAT IDEAS FOR THE COMPLETION OF MY PROJECT.

NAME   : **RITIK NANDAN**
CLASS   : XII - E

INTRODUCTION

HOTEL MANAGEMENT SYSTEM

This project has been made for storing Customer Data like customer name, address, check in and out date for room etc. It contains addition and calculation of room rent, laundry bill, game bill and restaurant bill which is done automatically.
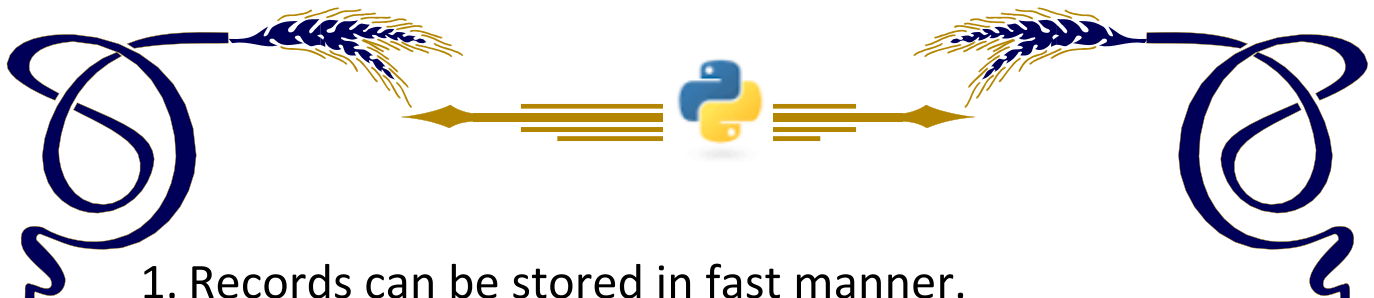
AIM

The main aim of my project is to store data of customer and calculate their particular bills in easy and hassle free manner without taking much time. It helps to store the records of the customer in particular table these records can be easily accessed by the person in fast manner.

MERITS ☺

1. Records can be stored in fast manner.

2. Any record can be easily accessed.

3. Bill can be generated as per entered services and facilities enjoyed by the customer while reciding in the hotel.

DE-MERITS ☹

1. Due to failure of electricity, no work can be processed.

2. Once records are being deleted can't be rollback again

   to recover them.

☺ Objective & Scope of the Project ☺

The objective of the software project is to develop a computerized to automate the functions of a **Hotel Management System**. This software project is also aimed to enhance the current record keeping system, which will help managers to retrieve the up-to-date information at right time in right shape.

The proposed software system is expected to do the following functionality-

✓ The proposed system should maintain all the records and transactions, and should generate the required reports and information when required.

✓ To provide graphical and user-friendly interface to interact with a centralized database based on client-server architecture.

✓ To identify the critical operation procedure and possibilities of simplification using modern IT tools and practices.

In its current scope, the software enables user to retrieve and update the information from centralized database designed with My SQL . This software does not require much training time of the users due to limited functionality and simplicity.

During the development of Hotel Management System project, Python , a powerful, open source event-driven form-based development environment is used for modular design and future expandability of the system.

System Implementation

5.1 The Hardware used:

While developing the system, the used hardware are:

> PC with Intel CORE i3 processor or sometimes, PC with Celeron (1.7 GHz) processor having NVIDIA GEFORCE and other required devices.
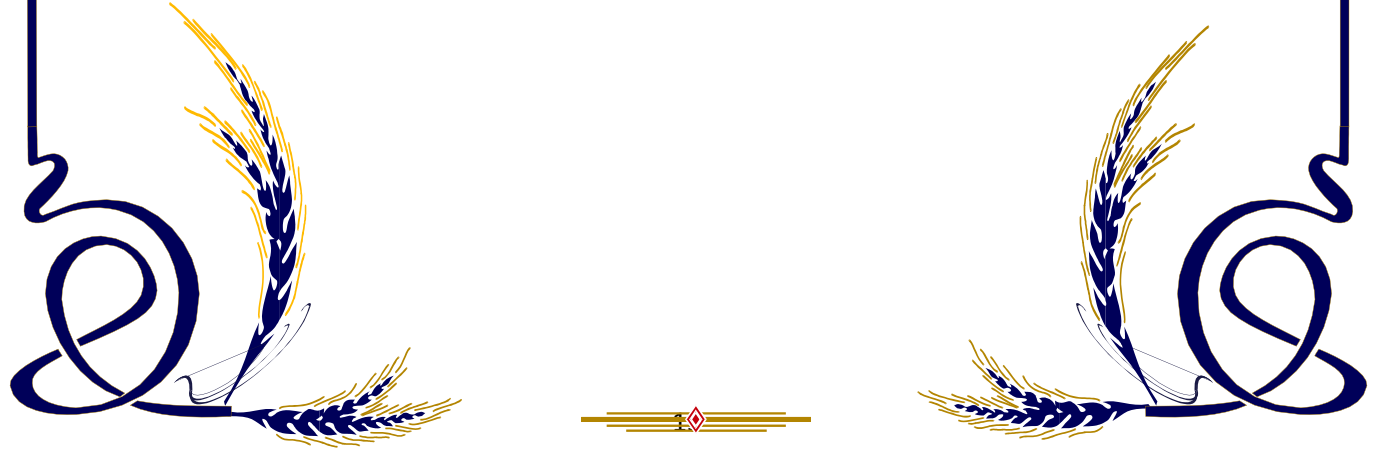

5.2 The Softwares used:

➢ Microsoft Windows® 10 as Operating System.

➢ Python 3.7 as Front-end Development environment.

➢ MySQL as Back-end Sever with Database for Testing.

➢ MS-Word 2013 and Adobe Acrobat DC for documentation.

CONCLUSION

"HOTEL MANAGEMENT SYSTEM" generating

has been prepared to reduce manual work and

with the help of this project total amount to be

paid is being calculated automatically in fast

manner as well as records for check in and

check out date can easily be maintained.

CODING AND OUTPUT

\#   --

\#   * ** * Welcome to hotel Management System * * * *

\#   ---

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☺References ☺

In order to work on this project titled **HOTEL Management System,** the following books and literature are referred by me during the various phases of development of the project.

Computer Science with Python

- by Sumita Arora Book

http://www.mysql.org/

http://www.python.org/

https://stackoverflow.com/

Various Websites & You Tube Channels of Discussion Forum and software development activities

Other than the above-mentioned books, the suggestions and supervision of my teacher, my class experience and my father's suggestion and supervision also helped me to develop this software project.

----end of project - ☺