

IP Project Synopsis



By: Adarsh Angural(12G) and
Jatin(12B)

A brief overview of the Python based project based on
analysis and management of a medical shop

M.G.N Public School

Adarsh Nagar, Jalandhar

**Roll No: Adarsh: 01 and
Jatin: 18**

**Admn. No: Adarsh:16559
and Jatin: 18938**

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Title of the Project:

Medical Shop Management

Problem Definition:

Design a Project to analyze the data set of a medical and calculate total sale and purchase occurring at the shop, profit and loss obtained on each category of item, most selling items, management of staff and comparing rise and fall of sales during the year.

Duration and Team Role:

It took approx. 20 days to develop this project, working 2-3 Hours daily. All modules completed by us only as per my view and knowledge. Adarsh is working with CSV files and Jatin is doing the coding.

Reason for choosing the Topic:

As medicines are one of the most essential supplies especially during the times of crisis like the COVID-19 pandemic, many of the shop owners have to work day and night maintaining the records manually either on paper or excel files. So we have decided to ease these essential workers by automating most of the work using the Python software.

Objective:

- To analyze the stock available in the shop.
- To calculate the salary to each staff member.
- To compare profit and losses.
- To compare cost prices and sale prices
- To display most selling items
- To show graphically the sales of the shop.

Hardware Requirements:

- A Computer/Laptop with
- Operating System-Windows 7 or above
- i3 or above
- 4 GB RAM.
- 5 GB free disk space.

Software Requirements:

Python 3.6.x or higher version

Pandas Library preinstalled

Matplotlib Library preinstalled

Numpy Library preinstalled

Playsound Library Preinstalled

Ms-Office installed

Limitations:

- 1- It is not web based project
- 2- Needs more customization to fulfill the need of every school.
- 3- More functionality can be added as per requirement.
- 4- No provision to print hard copies.

References / Bibliography:

- > Source of CSV File -
- > Online Python documentation - for python command syntax
- > Text book - Class XI and XII - Informatics Practices NCERT
- > Google.com - For any online queries