



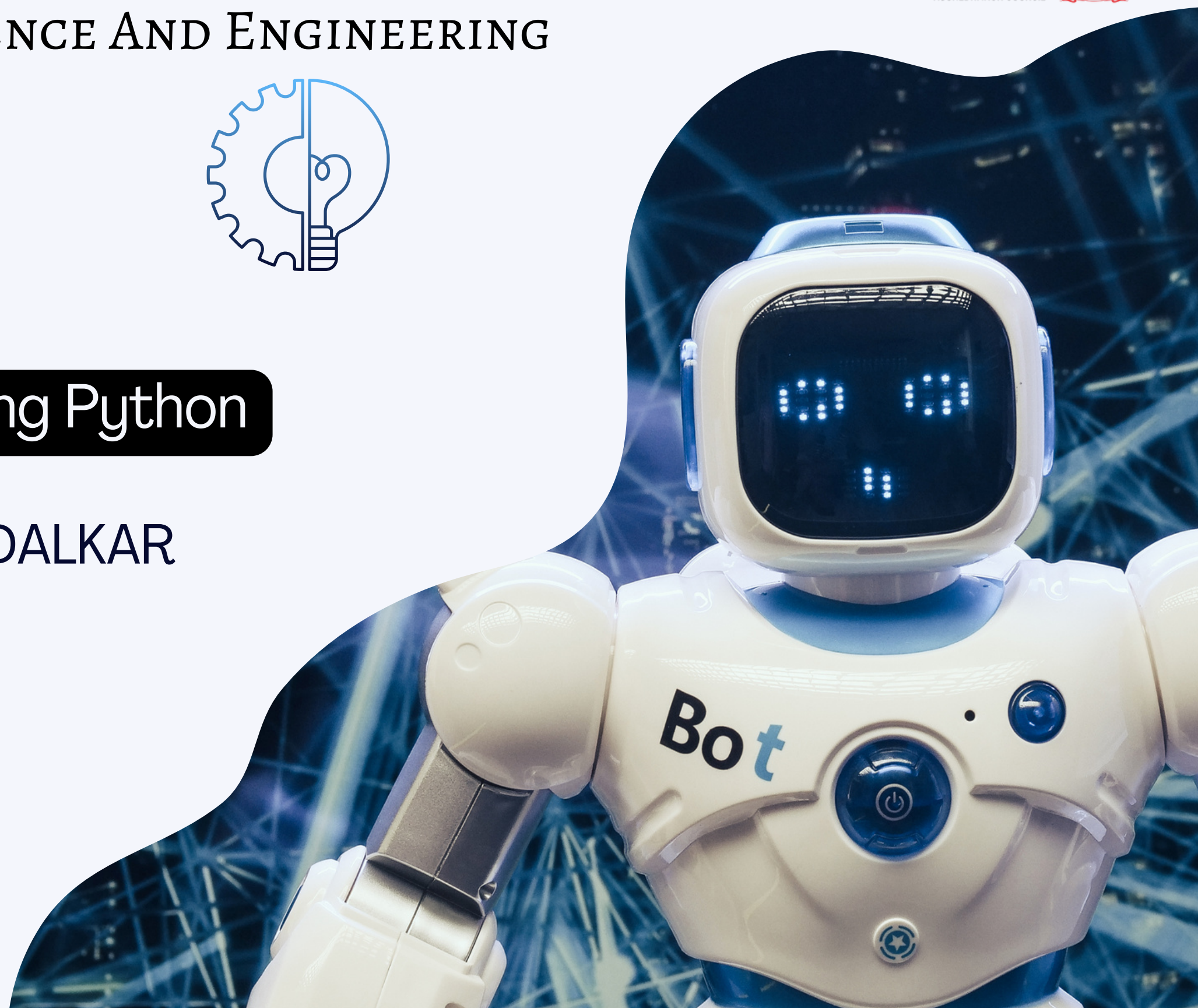
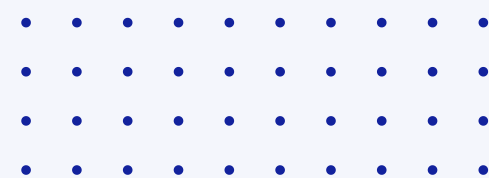
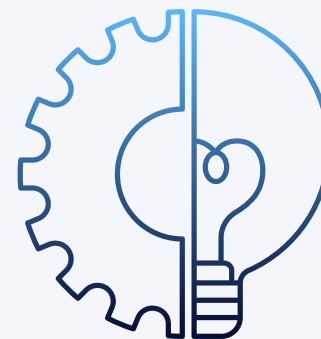
VIDARBHA YOUTH WELFARE SOCIETY'S  
PROF RAM MEGHE COLLEGE OF ENGINEERING AND MANAGEMENT  
BADNERA - AMRAVATI  
COMPUTER SCIENCE AND ENGINEERING



# AUTOMATED DATA ENTRY

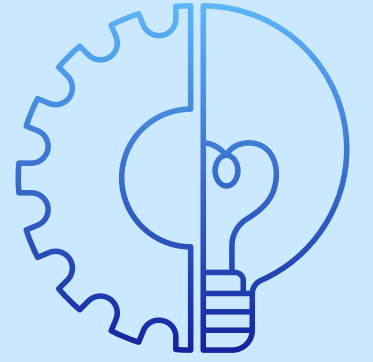
Using Python

- VEDANT R KANDALKAR





# Introduction..



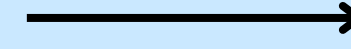
This software is designed to for automated data entry in the html pages we intend.

**The program takes three inputs:-**

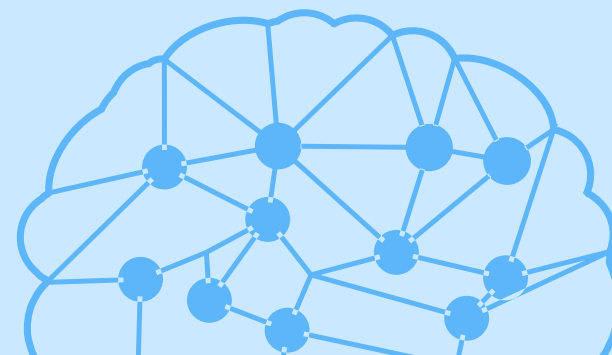
- .Input file**
- .Output File**
- .File name Prefix**

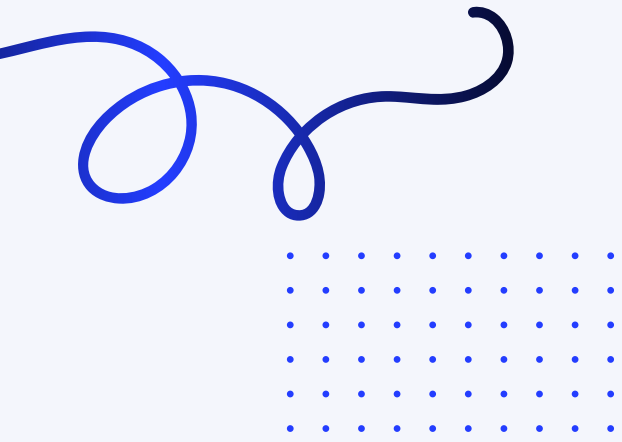


**The program extracts the data from given input file and fill the data in code for webpage.**

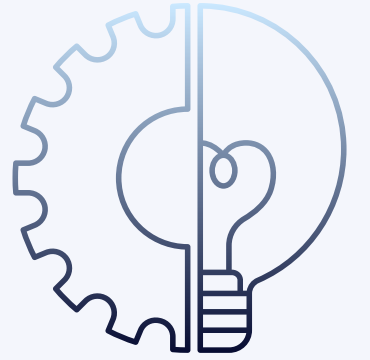


**After filling the data in webpage the the program checks for the given output folder and save the data in it with the prefix wich we get as argument through user**



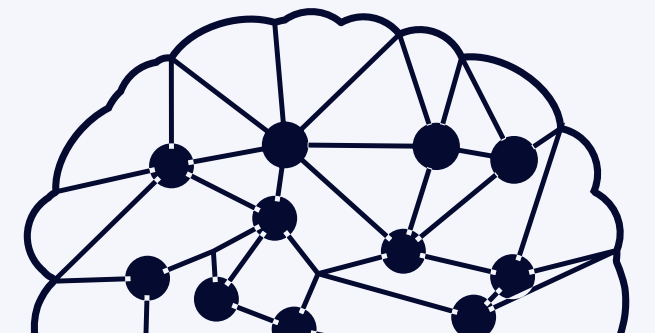


## Need ..



The need for these Program is to optimize the usage of time as well as power . Basically , the datasets are huge with many values so manually extracting the data and fill it inn a desired place takes a huge amount of time and manual power.

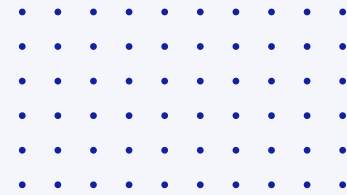
This program helps in reducing the human interference and saving the time which is reduced exponentially while using these program.



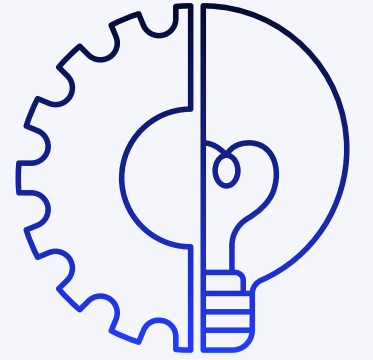




## Applications..



Data entry in many sectors can be made easier using these programs.



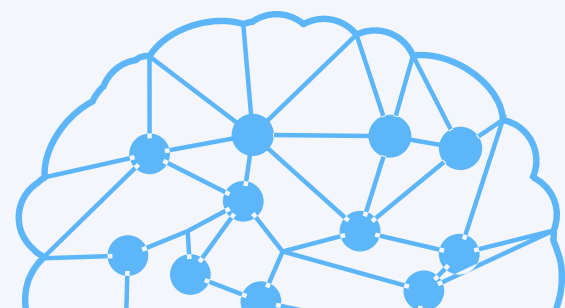
### Education Sector :-

In education sector there are many things like students info, marklist, forms, etc. which have dynamic value with structure which takes huge time to be manually filled can use these program to automate the data entry job.



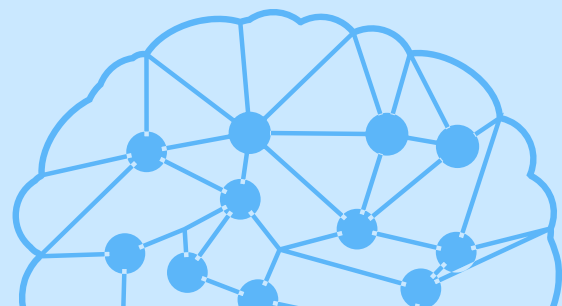
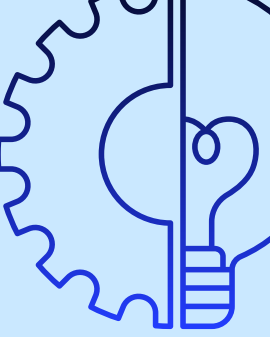
### Corporate Sector :-

In corporate sector there are many fields with dynamic data for same field Like employee id, Project Reports, etc. which to be manually filled takes a huge amount of time but if we use these program, we can decrease the time exponentially.



# Algorithm..

- In first phase of the program the data is extracted from the given excel file using "openpyxl" library.
- The extracted data from given excel file is now filled in the page code use "format" function in python.
- To fill the data in page code the data is stored as key value pairs according to rows & column for ease of access as well as the data has multiple values so recursive extraction of data as well as insertion is easier than doing it multiple time .
- After filling the data in page code now we have to store it as ".html" format to run the program as webpage so the other to arguments from user which is output folder and file name prefix is used to give the file a prefix & the output folder is set to save the file .
- Now one webpage is successfully created now the above Steps are looped for maximum length of the input file.
- Now to create a working program we apply "argparse" library to efficiently analyze the arguments from user.





# Advantage



## Time consumption

The time required without using this program can be exponentially reduced using the program.



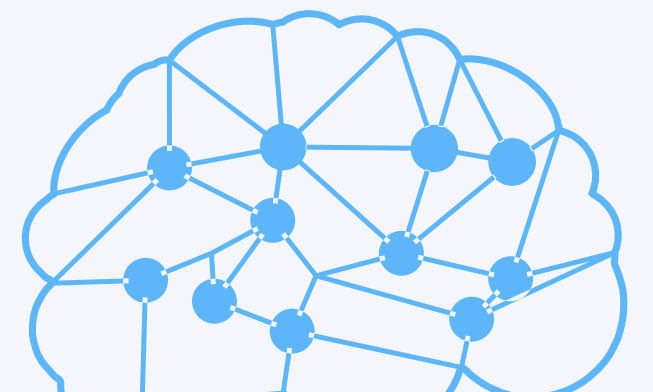
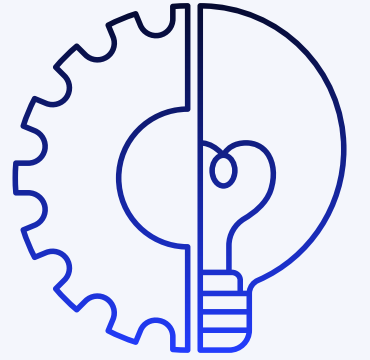
## Automation

This program is designed to perform the task without any human interference , and the task is completed by the system.



## Edge cases covered

- If output folder is not empty then the program throws error.
- If output folder is not found then program creates a folder itself.



**Thank you!**