Teacher’s Assistant

This is a project which deals with the daily activities of a teacher , assisting them using python , a stepping stone and a basic representation of the initiative taken for teachers to make their works in their classes easier.

Program Files

animation.py \_\_main\_\_

this is the introductory page that uses tkinter GUI to display some transition animations using for loop , playing background music using playsound module along with the animation via threading . Threading makes playing music and playing animation at same time simultaneously . after the animation ends , it opens the module created for login page

login\_page.py module

this is the page which ensures the authorization and authentication of a particular teacher to deal with their resources and carry out their particular tasks.

creaccnt.py module

forgotpsw.py module

welcome.py module

timetable.py module

attendance.py module

view\_atten.py module

take\_atten.py module

Modules used :

tkinter ( tk , ttk , messagebox ) : The main GUI used to represent our project

tkcalendar : the tkinter calendar widget used to get dates to view attendance information on that particular day

mysql.connector : The back-end mysql database storage connectivity

csv : used to store basic information before entering the database system

datetime : used to match our program with real time

time : used for delay commands

sys : used to terminate the entire program when quit button is pressed

playsound : used to play the intro animation sound

threading : used to thread the music and tkinter events together (Parallelism)

Data Dictionary :

**animation.py**

ovfont : overall font used

ovbg : overall background used

root : the tkinter screen for intro animation

scwid : width of the desktop screen

schei : height of the desktop screen

winwid : width of the window

winhei : height of the window

j , lm : tkinter label widget

i , k , l : the index used for animation loop

lb : tkinter button widget

thread1 : thread object related to music

**login\_page.py**

logindoc :

l2reader:

loginreader :

root :

bgd :

mycon :

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label\_fg

titleof\_font

titleof

titleof2

userframe

userempty

userlabel

username

passlabel

password

d

d\_fg

d\_font

d\_font\_size

d\_pady

creaccnt.py

forgotpsw.py

welcome.py

timetable.py

attendance.py