USER MANUAL - SEATING PLAN GENERATOR

INSTALLATION:

- On opening the given "SeatingPlanInstaller.exe" file an installer window will open up, in this default path of C drive will show for the destination folder, **MAKE SURE TO CHANGE THE PATH TO D DRIVE.**
- Finally, on clicking the install button, the package containing all the required files and folders will get downloaded at the selected path.

PACKAGE STRUCTURE:

- The software package contains one "root" folder which contains all the files required for execution of application.
- Two other files which can be used to uninstall the software are also present. There is no requirement to click or open them!
- In the "root" folder, open only the executable file "Seating_Plan.exe" to launch the GUI screen, no need to open or change any other file.
- The four output files will be generated inside the main folder "Seating Plan Generator" and will be overwritten every time after running the application.(If you want to save the output files create a copy in another directory).

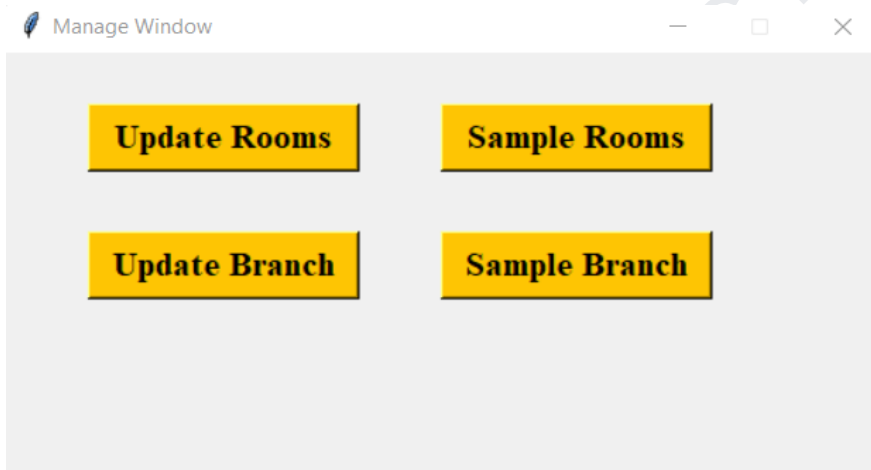## USING THE GUI INTERFACE:

Main Window:

- In this window you have to upload the 3 input files
  - Seating Plan - This file consists of details of students
  - Summary - This contains the time table of exam
  - Program Master - This file contains the details of courses

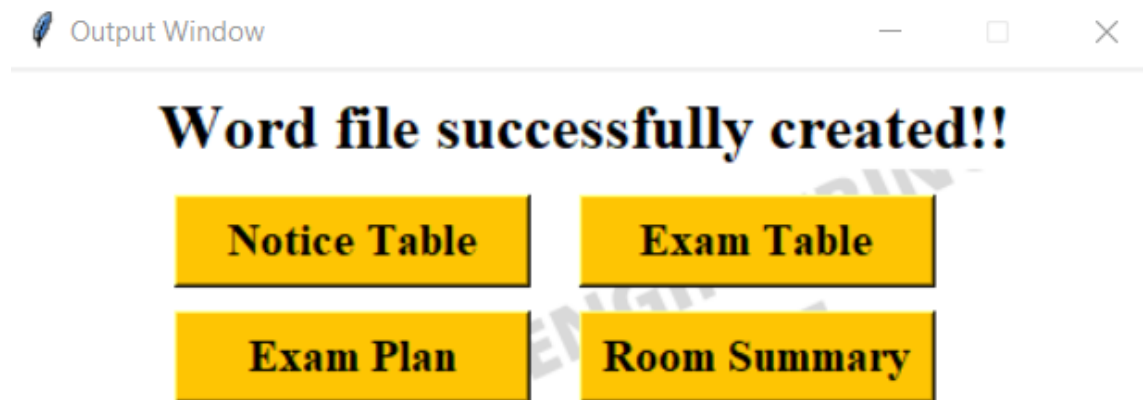 **DO CROSS-CHECK THE INPUT FORMAT OF ALL THE THREE FILES BEFORE UPLOADING**
- Enter date and exam session as per the format only.
- If you want to edit the rooms or branches click on the manage button(optional). **IT IS PREFERRED THAT ALWAYS CROSS-CHECK THE ROOMS AND BRANCHES BEFORE GENERATING THE OUTPUT.**
- You can click on generate to generate the output

Manage Window:

- This is the optional window used for changing the rooms and groups files.
  - Rooms file - Contains the list of all the rooms and their respective number of rows and columns.
  - Branch file - Each row represents the group of branches not to be seated together. If you want to add a new branch, find the respective row or if the new branch does not relate with any of the branches then add it to the new row.
- The sample rooms and sample branch contains the info of the most commonly used rooms and branches to help remember the rooms and branches because after changing the rooms and branches you cannot get back the original rooms and branches. So it's just to cross-check it properly. DO NOT CHANGE THE SAMPLE ROOMS AND BRANCH FILE. The code only takes updated rooms and branch file so updating the sample files will not give the expected result.

Generate Window:

- Once uploading all the inputs and verifying the rooms and branches properly click on "Generate" button. This will prompt you to the generate window which contains four buttons linked to the four outputs of the program.
    - Notice Table - This file is displayed on the notice board for students to find their respective seats
    - Exam Table - This file is sent to the invigilators
    - Exam Plan - This file contains the room-wise seating arrangement in paragraph format
    - Room Summary - This file is also displayed on the notice board and it shows all the rooms allocated to a particular subject.

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