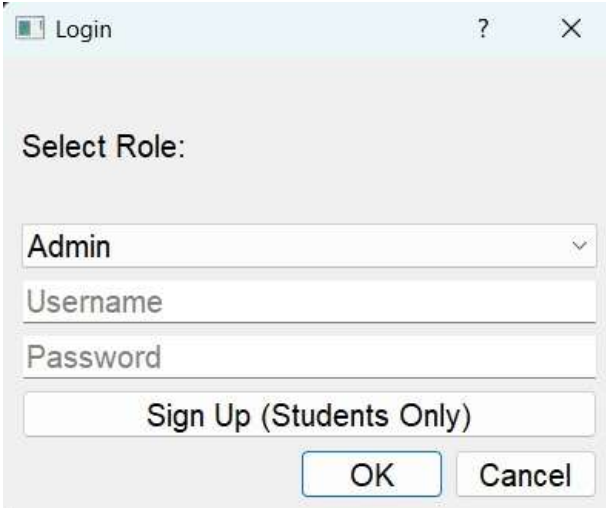


Login as a Admin



A login dialog box titled "Login" with a question mark icon and a close button. It contains a "Select Role:" label, a dropdown menu with "Admin" selected, a "Username" text input, a "Password" text input, a "Sign Up (Students Only)" button, and "OK" and "Cancel" buttons at the bottom.

Login

Select Role:

Admin

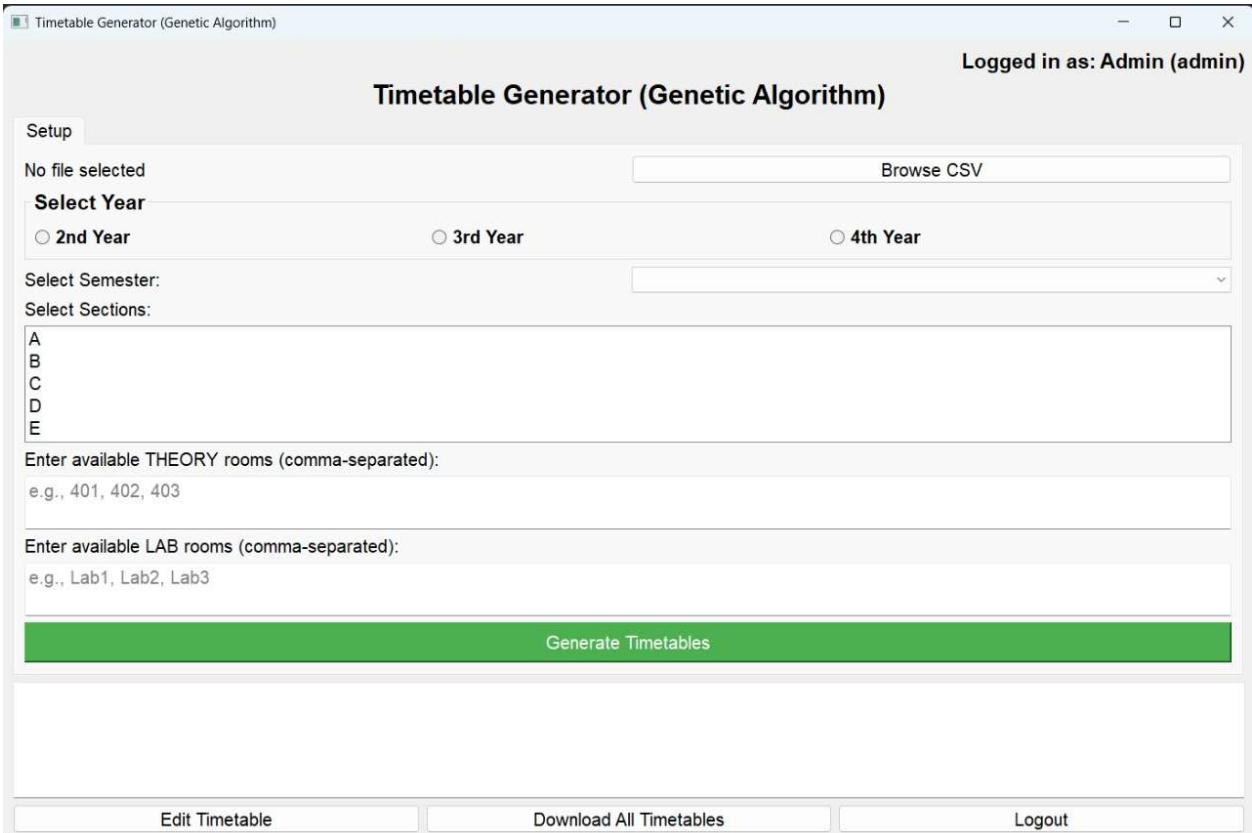
Username

Password

Sign Up (Students Only)

OK Cancel

Upload CSV file



The main interface of the "Timetable Generator (Genetic Algorithm)" application. It shows the user is logged in as "Admin (admin)". The interface includes a "Setup" tab, a "No file selected" status with a "Browse CSV" button, "Select Year" options for 2nd, 3rd, and 4th years, a "Select Semester:" dropdown, a "Select Sections:" list with A, B, C, D, and E, input fields for "Enter available THEORY rooms (comma-separated):" and "Enter available LAB rooms (comma-separated):", a large green "Generate Timetables" button, and a footer with "Edit Timetable", "Download All Timetables", and "Logout" buttons.

Timetable Generator (Genetic Algorithm)

Logged in as: Admin (admin)

Timetable Generator (Genetic Algorithm)

Setup

No file selected

Browse CSV

Select Year

☐ 2nd Year ☐ 3rd Year ☐ 4th Year

Select Semester:

Select Sections:

A
B
C
D
E

Enter available THEORY rooms (comma-separated):

e.g., 401, 402, 403

Enter available LAB rooms (comma-separated):

e.g., Lab1, Lab2, Lab3

Generate Timetables

Edit Timetable Download All Timetables Logout

Download Timetable both students and teachers

Timetable Generator (Genetic Algorithm)

Logged in as: Admin (admin)

Timetable Generator (Genetic Algorithm)

Setup

D:/Desktop/Project2/Updated_CSE_Timetable_With_Elective_Labs.csv

Browse CSV

Select Year

☒ 2nd Year

☐ 3rd Year

☐ 4th Year

Select Semester:

3

Select Sections:

A

B

C

D

E

Enter available THEORY rooms (comma-separated):

401,402

Enter available LAB rooms (comma-separated):

cc1,cc2

Generate Timetables

Generation 46: Best fitness = 1.00
Generation 47: Best fitness = 1.00
Generation 48: Best fitness = 1.00
Generation 49: Best fitness = 1.00
Genetic Algorithm completed with accuracy: 100.00%

Edit Timetable

Download All Timetables

Logout

Timetable Generator (Genetic Algorithm)

Logged in as: Admin (admin)

Timetable Generator (Genetic Algorithm)

Setup

D:/Desktop/Project2/Updated_CSE_Timetable_With_Elective_Labs.csv

Browse CSV

Select Year

☒ 2nd Year

☐ 3rd Year

☐ 4th Year

Select Semester:

3

Select Sections:

A

B

C

D

E

Enter available THEORY rooms (comma-separated):

401,402

Enter available LAB rooms (comma-separated):

cc1,cc2

Generate Timetables

Generation 46: Best fitness = 1.00
Generation 47: Best fitness = 1.00
Generation 48: Best fitness = 1.00
Generation 49: Best fitness = 1.00
Genetic Algorithm completed with accuracy: 100.00%

Edit Timetable

Download All Timetables

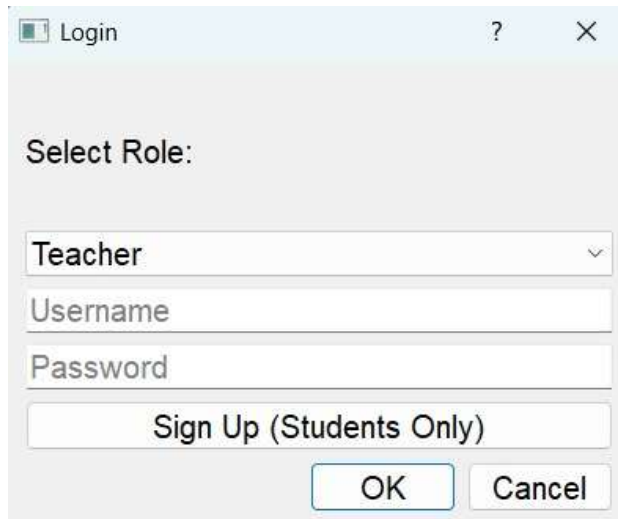
Logout

Success

All timetables downloaded successfully!

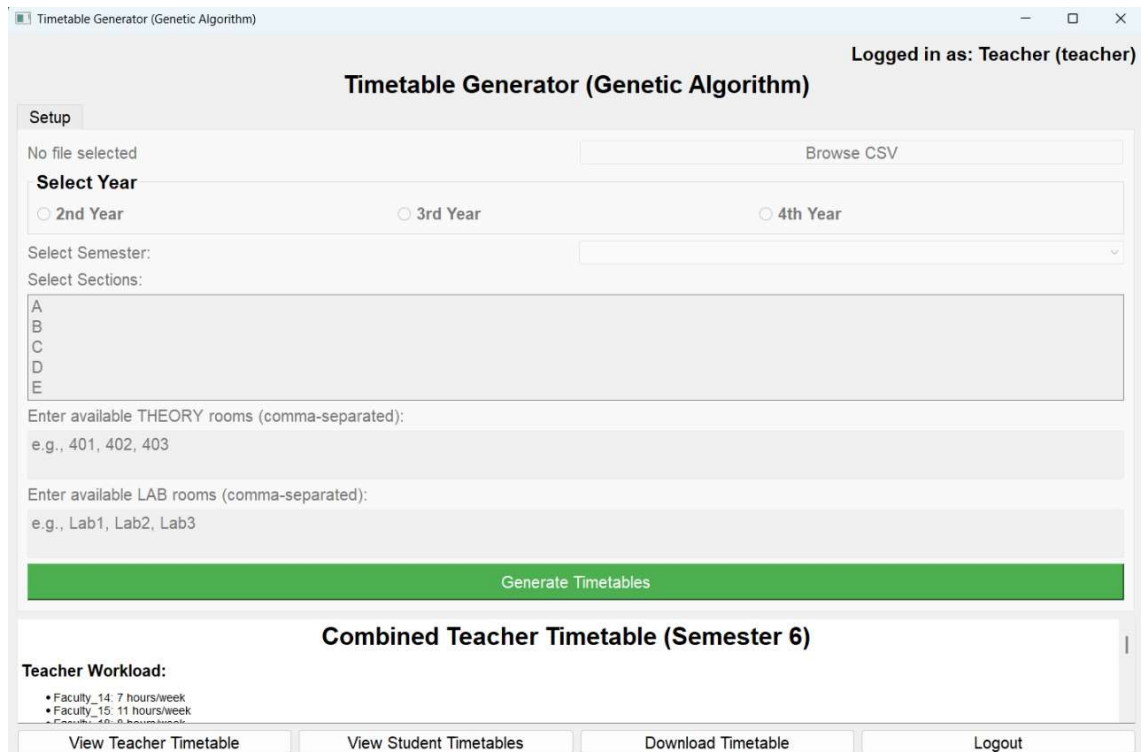
OK

Login as a Teacher



A login dialog box titled "Login" with a question mark icon and a close button. It contains a "Select Role:" label, a dropdown menu with "Teacher" selected, a "Username" text field, a "Password" text field, a "Sign Up (Students Only)" button, and "OK" and "Cancel" buttons at the bottom.

Teachers can view students' timetables as well as their own combined timetable, and can also download them



The "Timetable Generator (Genetic Algorithm)" interface shows a "Setup" tab with various configuration options. It includes a "Browse CSV" button, "Select Year" radio buttons for 2nd, 3rd, and 4th years, a "Select Semester:" dropdown, and a "Select Sections:" list with options A, B, C, D, and E. There are text fields for "Enter available THEORY rooms (comma-separated):" and "Enter available LAB rooms (comma-separated):" with example text. A large green "Generate Timetables" button is prominent. Below this, the "Combined Teacher Timetable (Semester 6)" is displayed, showing a "Teacher Workload:" section with a list of faculty and their hours per week. At the bottom, there are four buttons: "View Teacher Timetable", "View Student Timetables", "Download Timetable", and "Logout". The top right corner indicates the user is "Logged in as: Teacher (teacher)".

View combined teacher's timetable

lected

Select Section:
All Sections

Browse CS

Year
View Timetable

Combined Teacher Timetable (Semester 6)

Teacher Workload:

- Faculty_14: 7 hours/week
- Faculty_15: 11 hours/week
- Faculty_18: 8 hours/week

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:00		Open Elective-I Faculty_18 Room: 401 Sec: A, Sem: 6	Artificial Intelligence Faculty_14 Room: 401 Sec: A, Sem: 6		Elective-II Faculty_15 Room: 401 Sec: A, Sem: 6
10:00 - 11:00	Elective-III Faculty_18 Room: 401 Sec: A, Sem: 6	Project-1 Faculty_15 Room: 401 Sec: A, Sem: 6		Open Elective-I Faculty_18 Room: 401 Sec: A, Sem: 6	
11:00 - 12:00		Project-1 Faculty_15 Room: 401 Sec: A, Sem: 6			Artificial Intelligence Lab Faculty_14 Room: cc1 Sec: A, Sem: 6
12:00 - 1:00			Elective-II Faculty_15 Room: 401 Sec: A, Sem: 6	Elective-III Faculty_18 Room: 401 Sec: A, Sem: 6	Artificial Intelligence Lab Faculty_14 Room: cc1 Sec: A, Sem: 6
1:00 - 2:00	Lunch Break				

Close
Download Timetable

View student's timetable

lected

Select Section:
A

Browse CS

Year
View Timetable

Timetable - Section A (Semester 3)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:00	Data structure & Algorithms Faculty_1 Room: 402		IT Workshop Faculty_4 Room: 402		
10:00 - 11:00					Digital Electronics Faculty_2 Room: 402
11:00 - 12:00	Object Oriented Programming Lab Faculty_8 Room: cc1	Object Oriented Programming Faculty_8 Room: 402	Foundation Course in Humanities Faculty_13 Room: 402	Foundation Course in Humanities Faculty_13 Room: 402	Mathematics-III Faculty_4 Room: 402
12:00 - 1:00			Digital Electronics Faculty_2 Room: 402	Object Oriented Programming Faculty_8 Room: 402	Mathematics-III Faculty_4 Room: 402
1:00 - 2:00	Lunch Break				
2:00 - 3:00	Digital Electronics Faculty_2 Room: 402			Mathematics-III Faculty_4 Room: 402	
3:00 - 4:00				Object Oriented Programming Faculty_8 Room: 402	

Close
Download Timetable

Select Section:

Year

B

View Timetable

Timetable - Section B (Semester 3)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 10:00		Object Oriented Programming Lab Faculty_9 Room: cc2			Digital Electronics Faculty_8 Room: 402
10:00 - 11:00	Mathematics-III Faculty_3 Room: 401	Object Oriented Programming Lab Faculty_9 Room: cc2	Mathematics-III Faculty_3 Room: 401	Object Oriented Programming Faculty_19 Room: 402	
11:00 - 12:00					
12:00 - 1:00	Foundation Course in Humanities Faculty_6 Room: 401	Foundation Course in Humanities Faculty_6 Room: 401			
1:00 - 2:00	Lunch Break				
2:00 - 3:00		Digital Electronics Lab Faculty_14 Room: cc2	Digital Electronics Faculty_8 Room: 402		
3:00 - 4:00	IT Workshop Faculty_9 Room: 402	Digital Electronics Lab Faculty_14 Room: cc2	IT Workshop Faculty_9 Room: 402		Foundation Course in Humanities Faculty_6 Room: 401
4:00 - 5:00				Object Oriented	Digital Electronics

Close

Download Timetable

Signup for new students

Login

?

×

Select Role:

Student

▼

Username

Password

Sign Up (Students Only)

OK

Cancel

Student Sign Up

?

×

Full Name:

Nidhi Singh

Email:

nidhis123@gmail.com

Username:

nidhi

Password:

●●●●●●●●

OK

Cancel

Student Sign Up

?

×

Full Name:

Nidhi Singh

Email:

nidhi

Username:

nidhi

Password:

●●●●●●●●

OK

Cancel

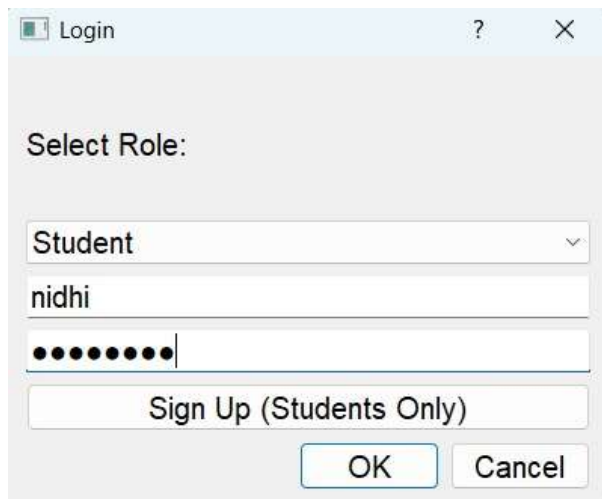
Success

×

Sign up successful! Please login.

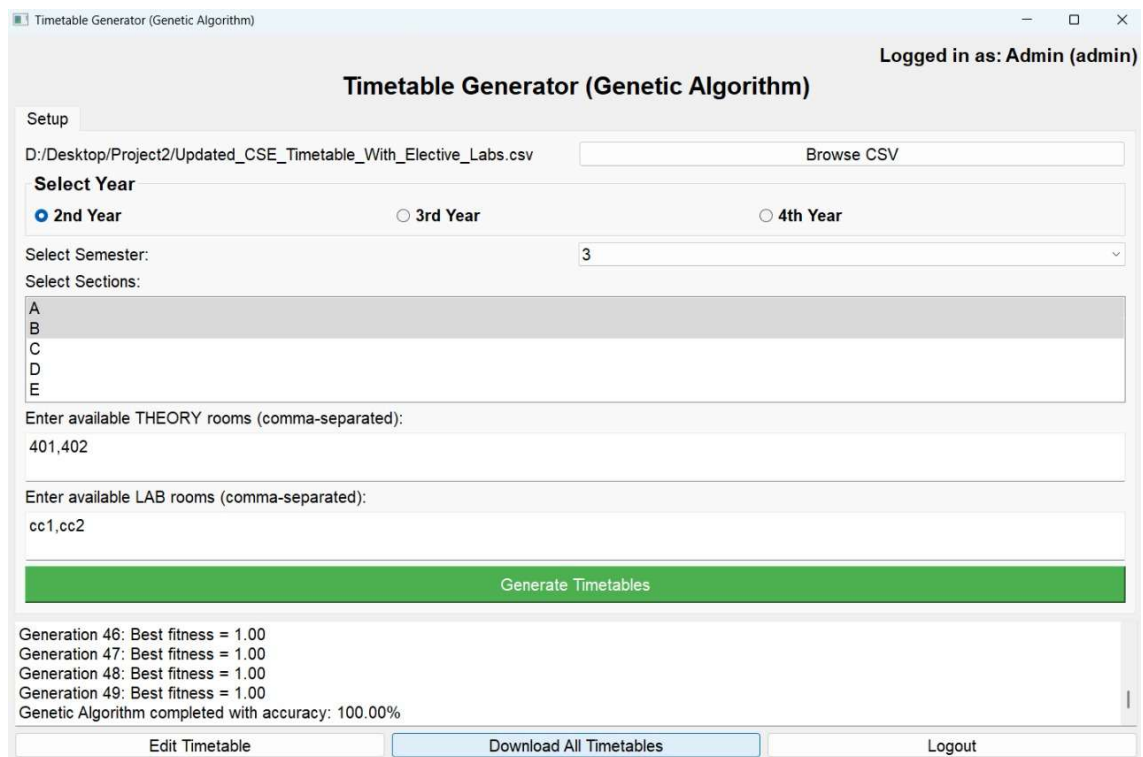
OK

Login after signup



A login dialog box titled "Login" with a question mark icon and a close button. It contains a "Select Role:" label, a dropdown menu with "Student" selected, a text input field with "nidhi", a password input field with 10 dots, a "Sign Up (Students Only)" button, and "OK" and "Cancel" buttons at the bottom.

Students can download only their respective student timetables



The "Timetable Generator (Genetic Algorithm)" interface shows the user is logged in as "Admin (admin)". The "Setup" tab is active, displaying a file path "D:/Desktop/Project2/Updated_CSE_Timetable_With_Elective_Labs.csv" and a "Browse CSV" button. Under "Select Year", the "2nd Year" radio button is selected, with "3rd Year" and "4th Year" options also visible. The "Select Semester:" dropdown is set to "3". The "Select Sections:" list includes A, B, C, D, and E. The "Enter available THEORY rooms (comma-separated):" field contains "401,402". The "Enter available LAB rooms (comma-separated):" field contains "cc1,cc2". A green "Generate Timetables" button is present. The bottom section shows the progress of the Genetic Algorithm, indicating it has completed with 100.00% accuracy. At the bottom, there are buttons for "Edit Timetable", "Download All Timetables", and "Logout".

