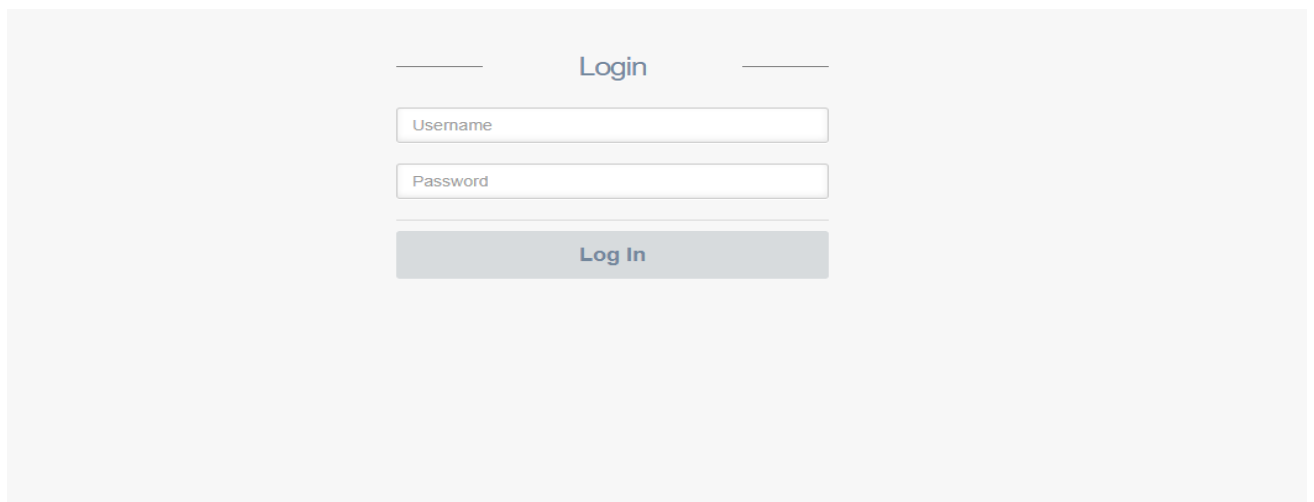


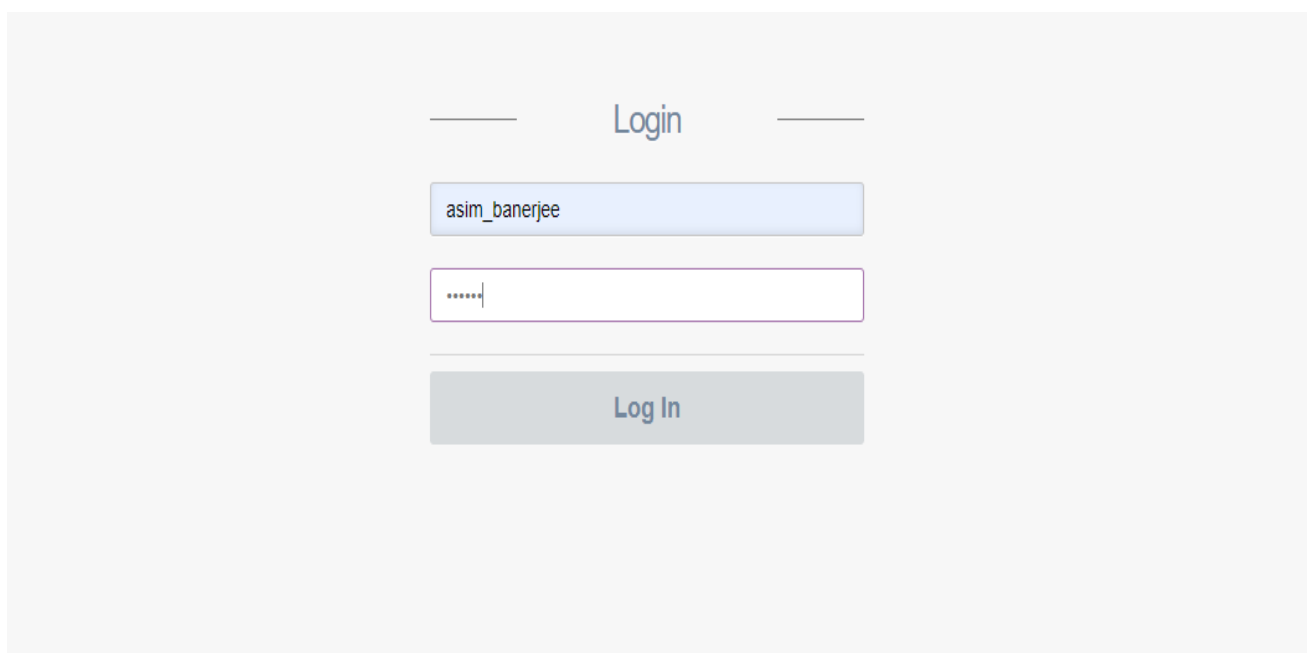
User Manual of Automatic Time Table Generation System

Automatic timetable generator login screen.



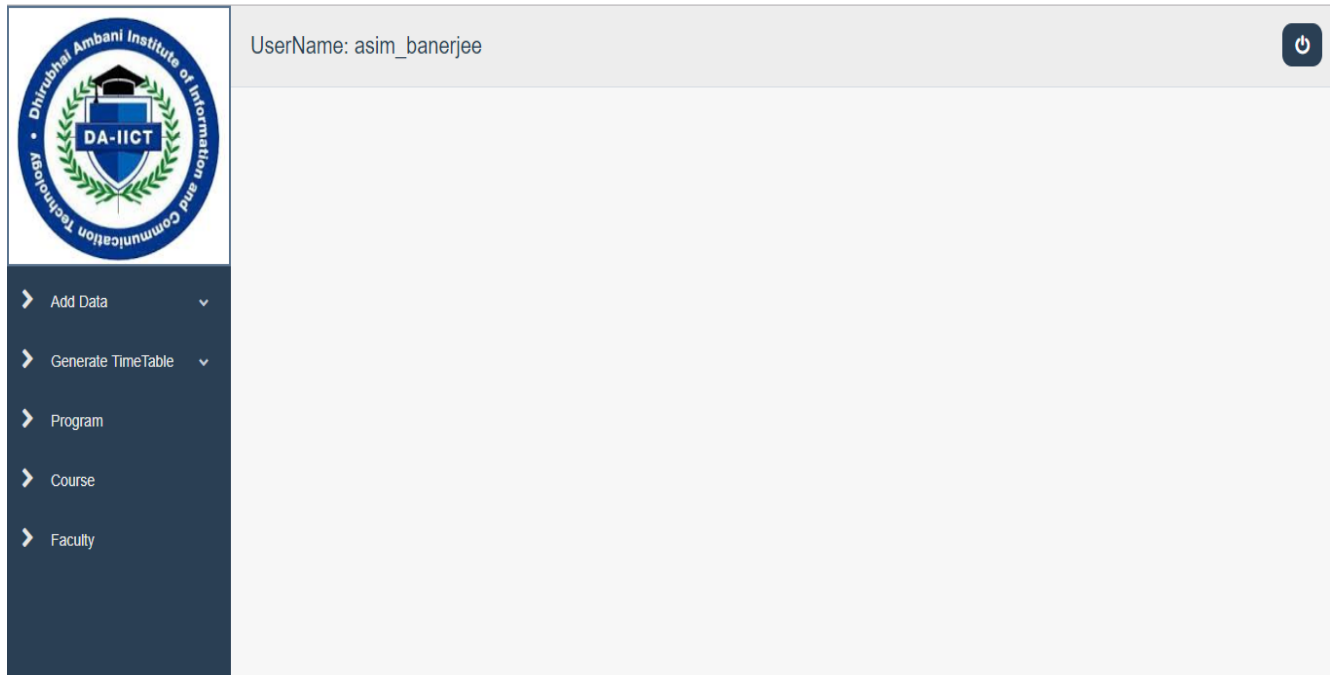
The image shows a login screen for the Automatic Timetable Generator. It features a central form with a title "Login" at the top. Below the title are two input fields: "Username" and "Password". At the bottom of the form is a "Log In" button. The form is set against a light gray background.

Write username and password and then click on button.

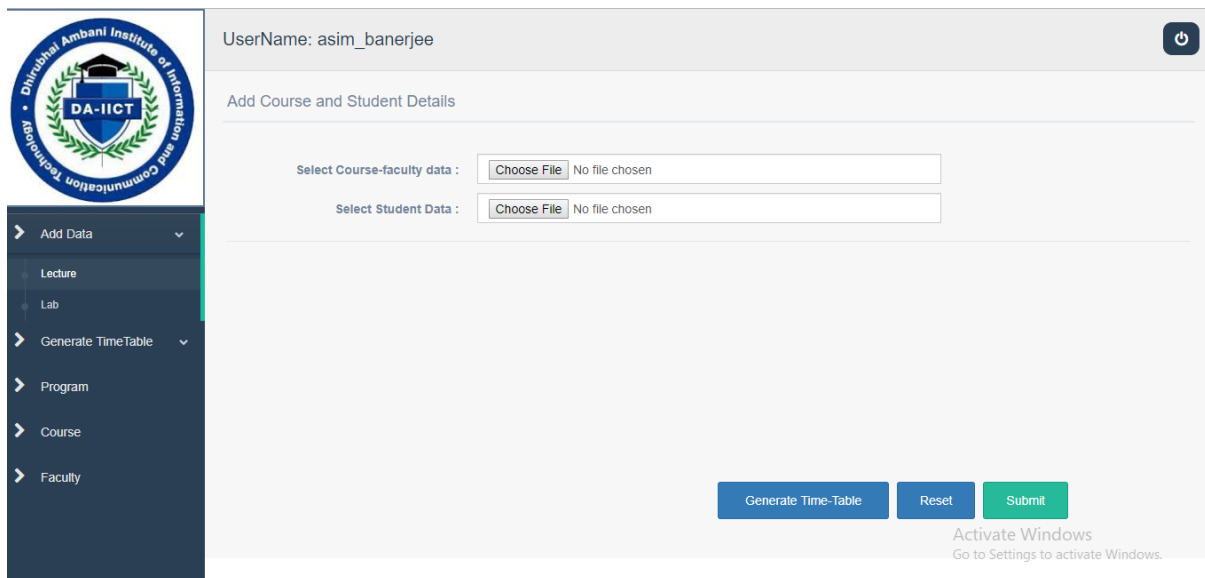


The image shows the same login screen as before, but with user input. The "Username" field now contains the text "asim_banerjee". The "Password" field contains six asterisks "*****". The "Log In" button is still present at the bottom of the form.


This will display the dashboard as below.



By clicking on Add Data > Lecture tab, screen as below will be displayed.



Now click on choose file to select course-faculty data and student registration data to generate proper output.



UserName: asim_banerjee

Add Course and Student Details

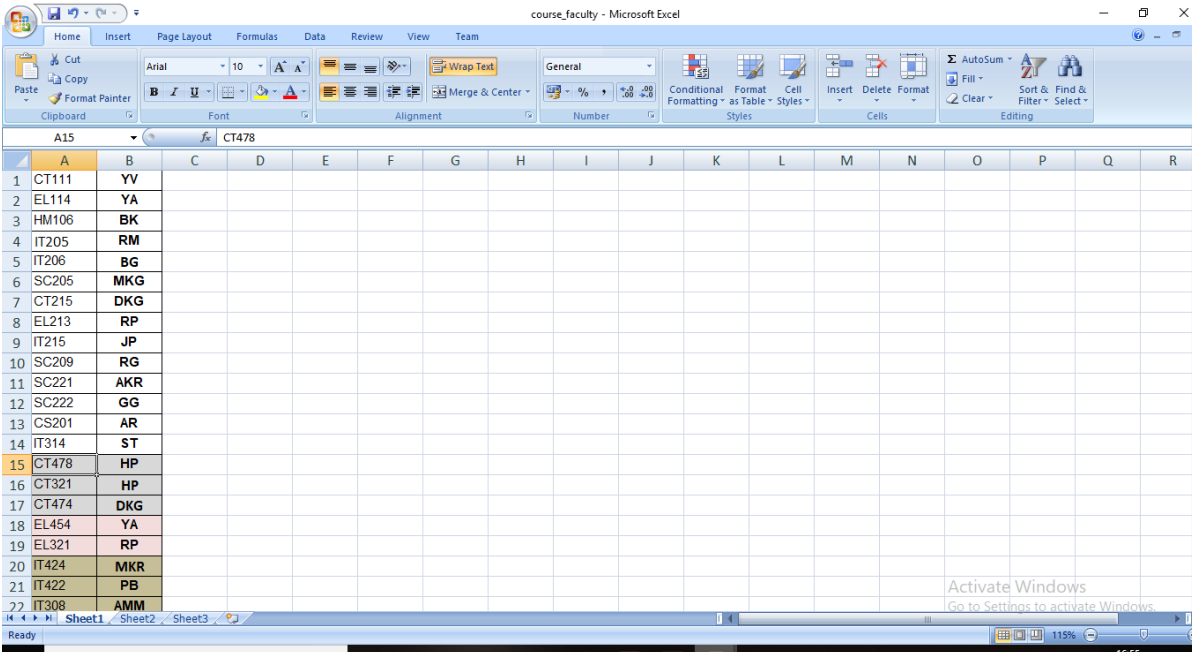
Select Course-faculty data : course_faculty.xlsx

Select Student Data : No file chosen

Navigation Menu:

- > Add Data
 - Lecture
 - Lab
- > Generate TimeTable
- > Program
- > Course
- > Faculty

The course-faculty data should be in following format.



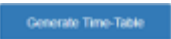
course_faculty - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	CT111	YV																
2	EL114	YA																
3	HM106	BK																
4	IT205	RM																
5	IT206	BG																
6	SC205	MKG																
7	CT215	DKG																
8	EL213	RP																
9	IT215	JP																
10	SC209	RG																
11	SC221	AKR																
12	SC222	GG																
13	CS201	AR																
14	IT314	ST																
15	CT478	HP																
16	CT321	HP																
17	CT474	DKG																
18	EL454	YA																
19	EL321	RP																
20	IT424	MKR																
21	IT422	PB																
22	IT308	AMM																

Activate Windows
Go to Settings to activate Windows.

The student registration data should be in following format.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1	IT694	IT602	IT632	IT628	IT629	CT111	EL114	HM106	IT205	SC205	CT215	EL213	IT215	SC209	SC221	IT314	CT478	CT321	CT478
2	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001	201812001
3	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002	201812002
4	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003	201812003
5	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004	201812004
6	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005	201812005
7	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006	201812006
8	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007	201812007
9	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008	201812008
10	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009	201812009
11	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010	201812010
12	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011	201812011
13	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012	201812012
14	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013	201812013
15	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014	201812014
16	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015	201812015
17	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016	201812016
18	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017	201812017
19	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018	201812018
20	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019	201812019
21	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020	201812020
22	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021	201812021
23	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022	201812022
24	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023	201812023
25	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024	201812024

Now click on this  button to generate time table as shown below.

Lecture TimeTable

Time Slot		Monday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	M.Sc.IT(1st)	IT602	OOP	LS	CEP207
8:00	8:55	B.Tech(3rd)	CT478	Speech Technology	HP	LT1
8:00	8:55	B. Tech(1st)	EL114	Digital Logic Design	YA	LT2
9:00	9:55	M.Sc.IT(1st)	IT632	SE	AB	CEP207
9:00	9:55	B.Tech(3rd)	CT474	Satellite Communication	DKG	LT1
9:00	9:55	B. Tech(1st)	HM106	Approaches to Indian Society	BK	LT2
10:00	10:55	B. Tech(2nd)	IT215	Systems Software	JP	LT1
11:00	11:55	M.Sc.IT(1st)	IT628	SP	AKM	CEP207
12:00	12:55	B. Tech(1st)	CT111	Introduction to Communication Systems	YV	LT1
12:00	12:55	B.Tech(3rd)	CT321	Digital Signal Processing	HP	LT2

Time Slot		Tuesday				
From	To	Program	Course	Course Name	Faculty	Class

You are signed in as 201812049 X Automatic TimeTable Generator X localhost:8887 / 127.0.0.1 / atg / X localhost:8887 / 127.0.0.1 / atg / X +

localhost:8887/Automatic-TimeTable-Generator/pages/lecture.php

Time Slot		Tuesday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	B. Tech(1st)	EL114	Digital Logic Design	YA	LT1
9:00	9:55	B.Tech(3rd)	EL454	CAD of VLSI	YA	LT1
9:00	9:55	B. Tech(1st)	HM106	Approaches to Indian Society	BK	LT2
9:00	9:55	B. Tech(2nd)	IT215	Systems Software	JP	LT3
10:00	10:55	M.Sc.IT(1st)	IT628	SP	AKM	CEP207
10:00	10:55	B. Tech(1st)	IT205	Data Structures	RM	LT1
10:00	10:55	B. Tech(2nd)	SC209	Environmental Studies	RG	LT2
11:00	11:55	M.Sc.IT(1st)	IT629	WP	LS	CEP207
11:00	11:55	B. Tech(1st)	SC205	Discrete Mathematics	MKG	LT1
11:00	11:55	B. Tech(2nd)	SC221	Engineered Materials	AKR	LT2
12:00	12:55	M.Sc.IT(1st)	IT694	CN	PKS	CEP207

Time Slot		Wednesday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	M.Sc.IT(1st)	IT602	OOP	LS	CEP207

Activate Windows
Go to Settings to activate Windows.

Type here to search

22:23
15-04-2019

You are signed in as 201812049 X Automatic TimeTable Generator X localhost:8887 / 127.0.0.1 / atg / X localhost:8887 / 127.0.0.1 / atg / X +

localhost:8887/Automatic-TimeTable-Generator/pages/lecture.php

Time Slot		Wednesday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	M.Sc.IT(1st)	IT602	OOP	LS	CEP207
8:00	8:55	B.Tech(3rd)	CT478	Speech Technology	HP	LT1
9:00	9:55	B.Tech(3rd)	EL454	CAD of VLSI	YA	LT1
10:00	10:55	B.Tech(3rd)	CT474	Satellite Communication	DKG	LT1
12:00	12:55	M.Sc.IT(1st)	IT694	CN	PKS	CEP207
12:00	12:55	B. Tech(1st)	CT111	Introduction to Communication Systems	YV	LT1
12:00	12:55	B. Tech(2nd)	CT215	Analog communication and Transmission Line Theory	DKG	LT2
12:00	12:55	B.Tech(3rd)	IT314	Software Engineering	ST	LT3

Time Slot		Thursday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	B. Tech(2nd)	CT215	Analog communication and Transmission Line Theory	DKG	LT1
9:00	9:55	M.Sc.IT(1st)	IT632	SE	AB	CEP207
10:00	10:55	B. Tech(1st)	IT205	Data Structures	RM	LT1
10:00	10:55	B. Tech(2nd)	SC209	Environmental Studies	RG	LT2
11:00	11:55	M.Sc.IT(1st)	IT629	WP	LS	CEP207

Activate Windows
Go to Settings to activate Windows.

Type here to search

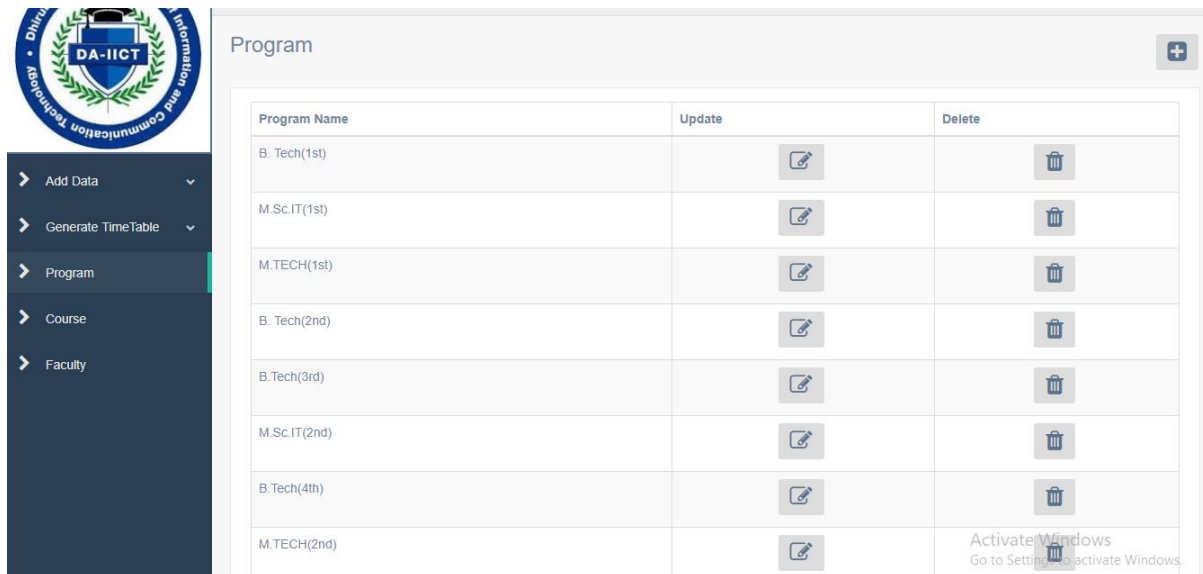
22:23
15-04-2019

Time Slot		Thursday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	B. Tech(2nd)	CT215	Analog communication and Transmission Line Theory	DKG	LT1
9:00	9:55	M.Sc.IT(1st)	IT632	SE	AB	CEP207
10:00	10:55	B. Tech(1st)	IT205	Data Structures	RM	LT1
10:00	10:55	B. Tech(2nd)	SC209	Environmental Studies	RG	LT2
11:00	11:55	M.Sc.IT(1st)	IT629	WP	LS	CEP207
11:00	11:55	B. Tech(1st)	SC205	Discrete Mathematics	MKG	LT1
11:00	11:55	B. Tech(2nd)	SC221	Engineered Materials	AKR	LT2
12:00	12:55	B.Tech(3rd)	CT321	Digital Signal Processing	HP	LT1
12:00	12:55	B.Tech(3rd)	IT314	Software Engineering	ST	LT2

Time Slot		Friday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	M.Sc.IT(1st)	IT602	OOP	LS	CEP207
8:00	8:55	B.Tech(3rd)	CT478	Speech Technology	HP	LT1
8:00	8:55	B. Tech(1st)	EL114	Digital Logic Design	YA	LT2

Time Slot		Friday				
From	To	Program	Course	Course Name	Faculty	Class
8:00	8:55	M.Sc.IT(1st)	IT602	OOP	LS	CEP207
8:00	8:55	B.Tech(3rd)	CT478	Speech Technology	HP	LT1
8:00	8:55	B. Tech(1st)	EL114	Digital Logic Design	YA	LT2
9:00	9:55	M.Sc.IT(1st)	IT632	SE	AB	CEP207
9:00	9:55	B.Tech(3rd)	CT474	Satellite Communication	DKG	LT1
9:00	9:55	B.Tech(3rd)	EL454	CAD of VLSI	YA	LT2
9:00	9:55	B. Tech(1st)	HM106	Approaches to Indian Society	BK	LT3
10:00	10:55	M.Sc.IT(1st)	IT628	SP	AKM	CEP207
10:00	10:55	B. Tech(1st)	IT205	Data Structures	RM	LT1
11:00	11:55	M.Sc.IT(1st)	IT629	WP	LS	CEP207
11:00	11:55	B. Tech(1st)	SC205	Discrete Mathematics	MKG	LT1
11:00	11:55	B. Tech(2nd)	SC221	Engineered Materials	AKR	LT2
12:00	12:55	M.Sc.IT(1st)	IT694	CN	PKS	CEP207
12:00	12:55	B. Tech(1st)	CT111	Introduction to Communication Systems	YV	LT1
12:00	12:55	B. Tech(2nd)	CT215	Analog communication and Transmission Line Theory	DKG	LT2
12:00	12:55	B.Tech(3rd)	CT321	Digital Signal Processing	HP	LT3


By clicking on Program tab, you will be able to see the screen as below which displays list of programs offered by institute.

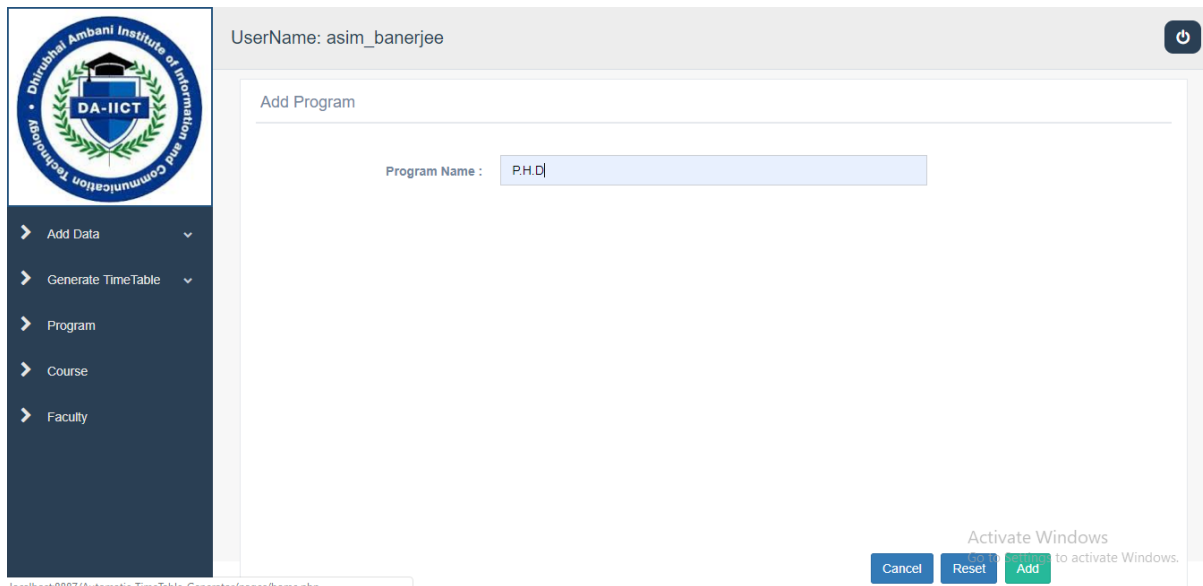


The screenshot shows the 'Program' management interface. On the left is a sidebar with the DA-IICT logo and navigation links: Add Data, Generate TimeTable, Program (selected), Course, and Faculty. The main area is titled 'Program' and contains a table with the following data:

Program Name	Update	Delete
B. Tech(1st)		
M.Sc.IT(1st)		
M.TECH(1st)		
B. Tech(2nd)		
B.Tech(3rd)		
M.Sc.IT(2nd)		
B. Tech(4th)		
M.TECH(2nd)		

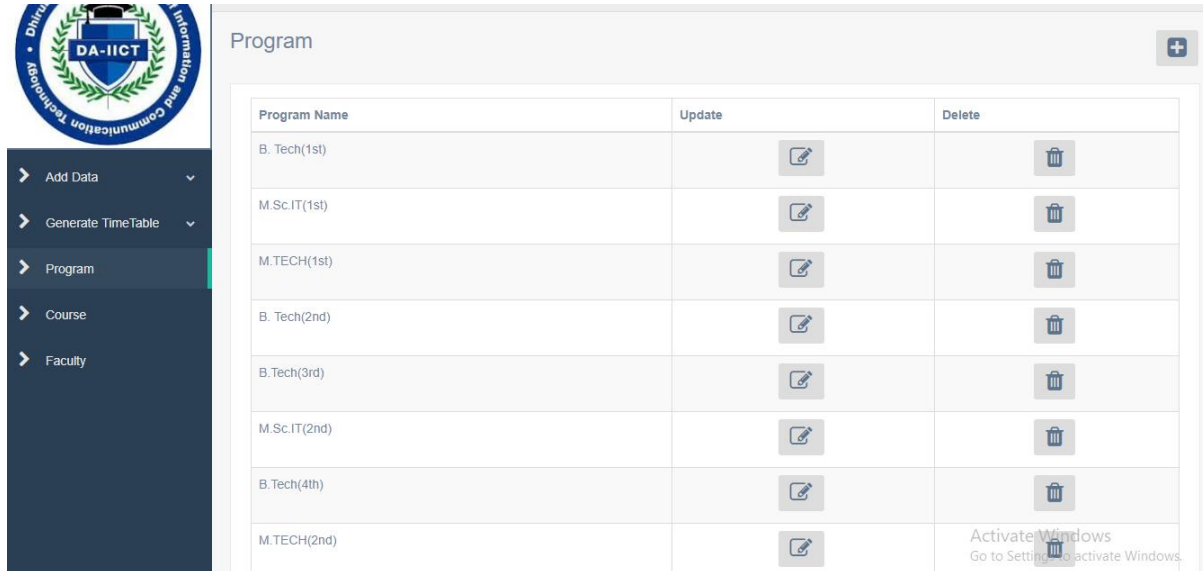
At the top right of the table area is a '+' button for adding new programs. A Windows watermark is visible at the bottom right.

By clicking on  button, you can add new program as shown below.



The screenshot shows the 'Add Program' form. The sidebar is identical to the previous screen. The main area is titled 'Add Program' and shows the 'Program Name' field with the value 'P.H.D' entered. At the bottom right, there are three buttons: Cancel, Reset, and Add. A Windows watermark is visible at the bottom right.


By clicking on **Add button**, the program will be added and following screen will be displayed that is updated with the added program.

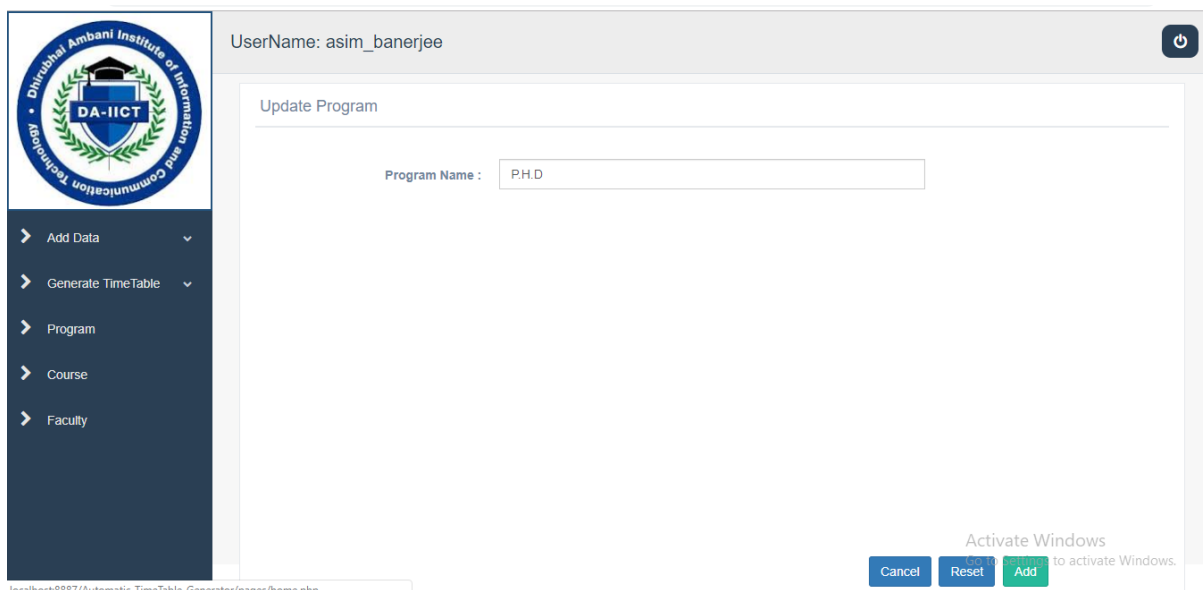


The screenshot shows the DA-IICT Program Management interface. On the left is a sidebar with navigation options: Add Data, Generate TimeTable, Program (selected), Course, and Faculty. The main area is titled 'Program' and contains a table with the following data:


Program Name	Update	Delete
B. Tech(1st)		
M.Sc.IT(1st)		
M.TECH(1st)		
B. Tech(2nd)		
B.Tech(3rd)		
M.Sc.IT(2nd)		
B. Tech(4th)		
M.TECH(2nd)		


An 'Add' button is located in the top right corner of the table area. A Windows activation watermark is visible at the bottom right.

By clicking on  button following screen will be displayed in which you can update the program and following screen will be displayed.



















The screenshot shows the DA-IICT Update Program interface. The sidebar is the same as the previous screen. The main area is titled 'Update Program' and shows the username 'UserName: asim_banerjee'. Below the title is a form with a single input field labeled 'Program Name' containing the text 'P.H.D'. At the bottom right, there are three buttons: 'Cancel', 'Reset', and 'Add'. A Windows activation watermark is visible at the bottom right.

By clicking on  button you can delete the program and following updated screen will be displayed.




- > Add Data
- > Generate TimeTable
- > Program
- > Course
- > Faculty

Program
+

Program Name	Update	Delete
B. Tech(1st)		
M.Sc.IT(1st)		
M.TECH(1st)		
B. Tech(2nd)		
B.Tech(3rd)		
M.Sc.IT(2nd)		
B. Tech(4th)		
M.TECH(2nd)		















By clicking on Course tab, you will be able to see the screen as below which displays list of courses offered by institute in a particular program.





- > Add Data
- > Generate TimeTable
- > Program
- > Course
- > Faculty

UserName: asim_banerjee
⏻

Course
+

Course ID	Course Name	Course Credit	Program Name	Update	Delete
CS201	Introductory Computational Physics	3	B. Tech(1st)		
CS301	High Performance Computing	3	B. Tech(1st)		
CS302	Modeling and Simulation	3	B. Tech(1st)		
CS306	Data Analysis and Visualization	3	B. Tech(1st)		
CS401	Computational Finance	3	B. Tech(1st)		
CT111	Introduction to Communication Systems	3	B. Tech(1st)		
CT215	Analog communication and Transmission Line Theory	3	B. Tech(1st)		

By clicking on  button, you can add course data as shown below.



UserName: asim_banerjee

Add Course

Course ID :

Course Name :

Course Credit :

Program Name :

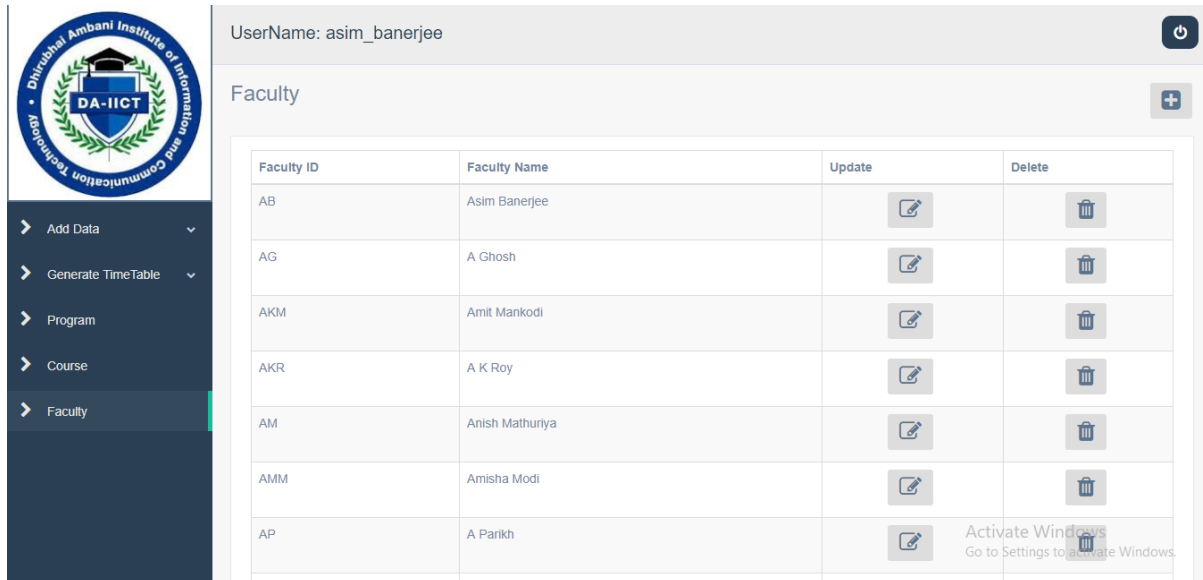
By clicking on **Add button**, the course will be added and following screen will be displayed along with newly added course.



IT628	SP	3	M.Sc.IT(1st)		
IT629	WP	3	M.Sc.IT(1st)		
IT632	SE	3	M.Sc.IT(1st)		
IT694	CN	3	M.Sc.IT(1st)		
CT533	Wireless system design	3	M.TECH(1st)		
H1	Introduction to Drama	3	M.TECH(1st)		
IT542	Pattern Recognition and Machine Learning	3	M.TECH(1st)		

100


By clicking on Faculty tab, you will be able to see the screen as below which displays list of faculties.

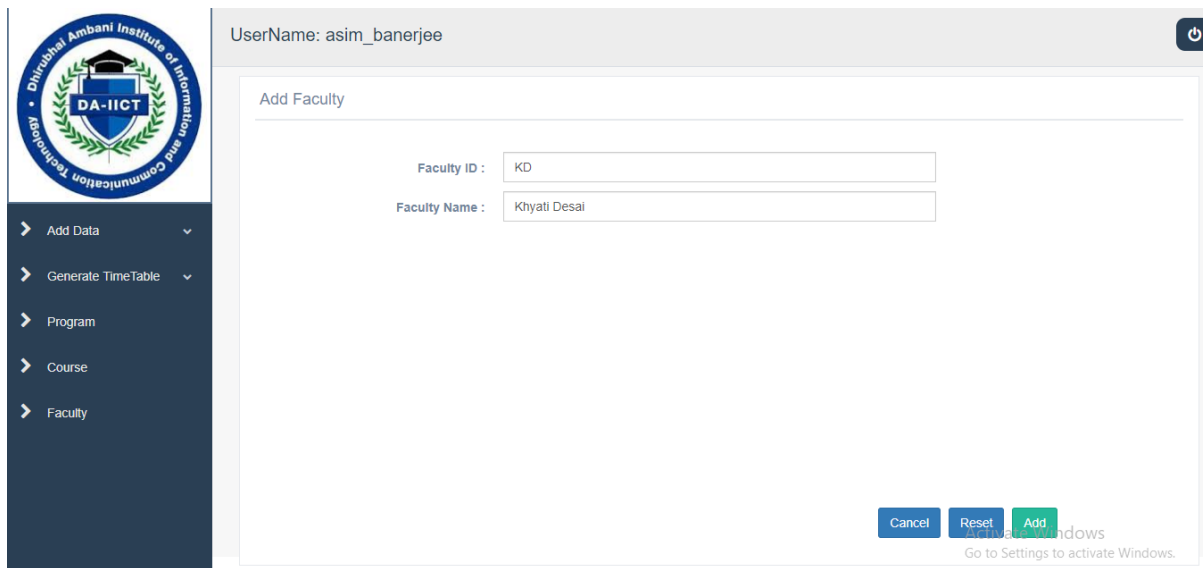


The screenshot shows the DA-IICT Faculty Management interface. On the left is a sidebar with a logo and a menu containing: Add Data, Generate TimeTable, Program, Course, and Faculty (highlighted). The main area has a header with 'UserName: asim_banerjee' and a power icon. Below the header is a 'Faculty' section with a '+' button. The main content is a table with the following data:

Faculty ID	Faculty Name	Update	Delete
AB	Asim Banerjee		
AG	A Ghosh		
AKM	Amit Mankodi		
AKR	A K Roy		
AM	Anish Mathuriya		
AMM	Amisha Modi		
AP	A Parikh		









An 'Activate Windows' watermark is visible in the bottom right corner of the table area.


By clicking on  button, you can add faculty data as shown below.




The screenshot shows the 'Add Faculty' form in the DA-IICT system. The sidebar and header are identical to the previous screenshot. The main area is titled 'Add Faculty' and contains two input fields: 'Faculty ID' with the value 'KD' and 'Faculty Name' with the value 'Khyati Desai'. At the bottom right of the form are three buttons: 'Cancel', 'Reset', and 'Add' (highlighted in green). An 'Activate Windows' watermark is also present in the bottom right corner.

By clicking on **Add button**, the faculty will be added and following screen will be displayed.

JP	Jay Prakash		
KP	Khyati Patel		
LS	Lavneet Singh		
MB	M Bhise		

By clicking on  button following screen will be displayed in which you can update the faculty details.



> Add Data

> Generate TimeTable

> Program

> Course

> Faculty

UserName: asim_banerjee

Update Faculty


Update Faculty ID :







Update Faculty Name :

Cancel

Update

Go to Settings to activate Windows

By clicking on  button you can delete the faculty and following updated screen will be displayed.

JP	Jay Prakash		
KP	Khyati Patel		
LS	Lavneet Singh		
MB	M. Bhise	