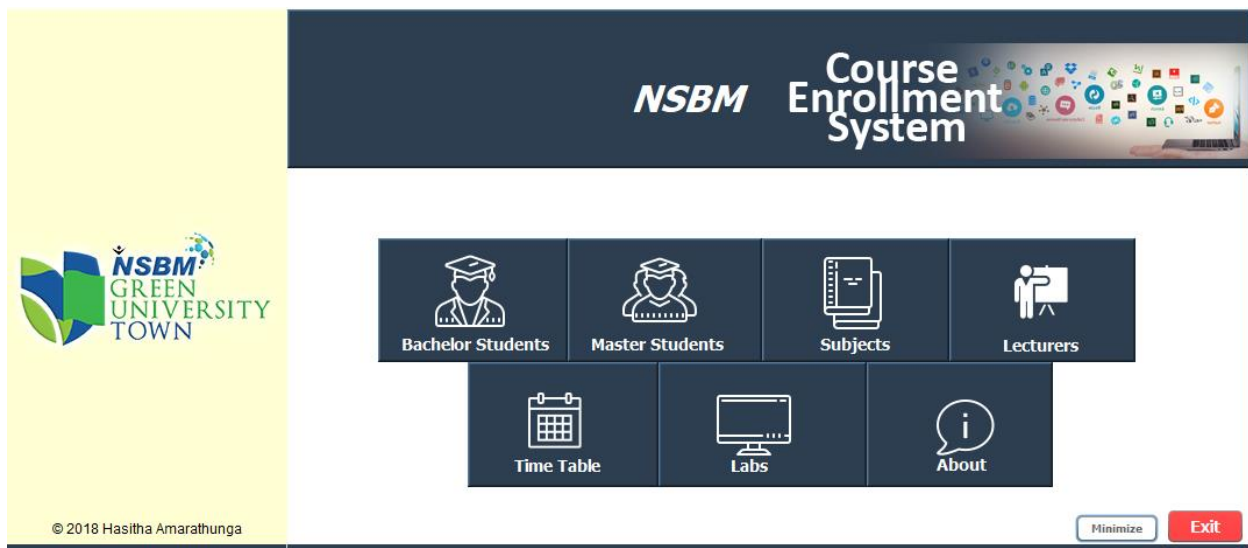


NSBM Course Enrollment system

This is the documentation about the Course Enrollment System for NSBM Green University Town. In this project I use the **JAVA Programming language** with **Java Swing GUI** library & **PhpMyAdmin MySQL** as the Database Platform. I used the NetBeans IDE for develop the system & use the NetBeans' **jdbc** database service for connect java with MySQL.

Now, I explain about my scope of the system. I assume that software has an only One user who are the admin of the system. All the details of Students, Lecturers & Others are handled by Admin.

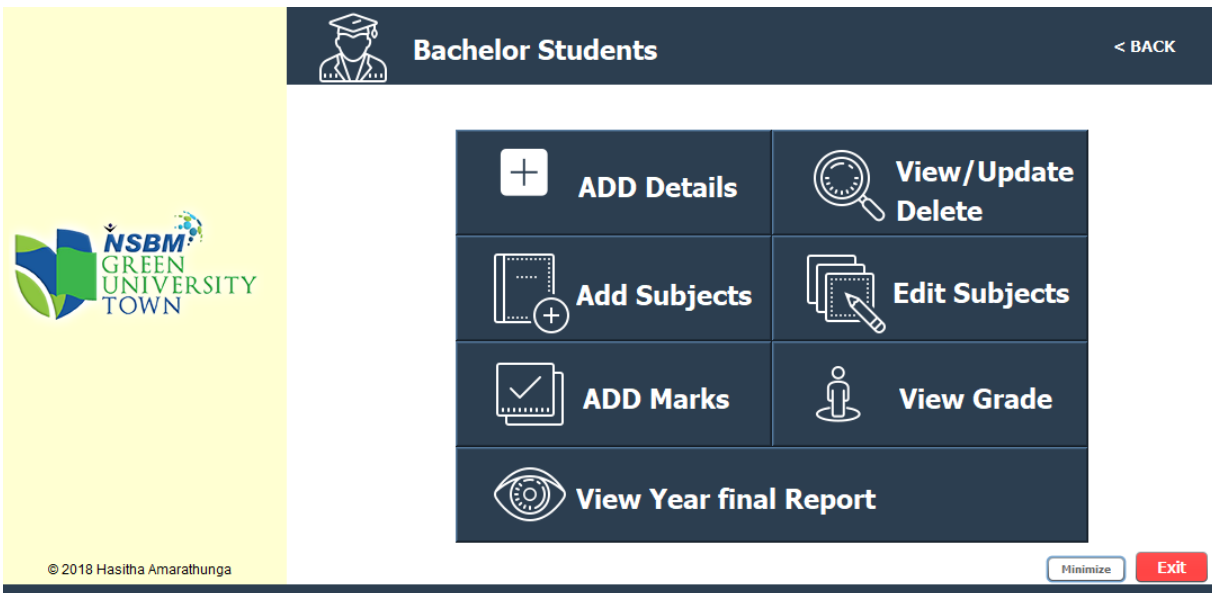
I added few menus in Home as **Bachelor Students, Master Students, Subjects, Lecturers, Timetable, Labs** and **About**.



In Both Bachelor & Master Students menu include **Add Details, View ,Update & Delete , Add Subjects, Edit Subjects, Add Marks, View Grade & View Year Final Report** menu's.

In that each menu's has select the faculty, course, Year and semester etc. for manipulate data.

Following show, you the interface of Bachelor Students menu that same as Master Students. So I will explain only the Bachelor Students menu.





(This is the interface of Bachelor Students menu)

In this Interface, now I will explain about **Add Details Menu**.

In this Interface, First Admin will select the year , Faculty & course & give a **Student id** & all the other details are compulsory and fill all the details and finally tick the agree and Register. In the back-end all the details admin filled are gone to **students** table of **nsbm** database in phpMyAdmin.

In this fields if NIC is included then Birthday can **auto-generated** clicking the # button near the birthday field.


Nic :

BirthDay :  

And also system can auto generate the registered date clicking the # button near the registered date.

every window has a back, Minimize and exit buttons. In back button admin can go to previous window. Ok let's got to previous.

Now I will explain about **View/update & Delete Menu**


VIEW/UPDATE & DELETE STUDENTS Details
< BACK

Stu_id	FullName	NIC	BirthDay	Address	Gender	MobileNo	RegisteredDate
--------	----------	-----	----------	---------	--------	----------	----------------

Faculty :
Course :
Year :


To Delete, Select row & click

Column :
Stu_id :
new Value:

In this Interface Admin can View the all the details of each faculty, each course, each year in one time. And also can filter the details in search text field that filter the first Name & Last Name.

And also Admin can delete a field clicking the field and using Delete button. For update any details first select the column name, Stu_Id (Stu_Id also can be click in table, then it auto filled the Stu_Id field.) and enter new value to update and click Update.

Following show the interfaces of View , Delete & Update.


VIEW/UPDATE & DELETE STUDENTS Details
< BACK

Stu_id	FullName	NIC	BirthDay	Address	Gender	MobileNo	RegisteredDate
2018/BM/001	K.Bandaranayake	961703187v	Jun 18, 1996	kurunegala,Kuliyap...	Male	0711241541	Jun 24, 2018
2018/BM/002	K.P Sinhapura	963105487v	Jul 18, 1996	Colombo 04	female	0755412541	Jun 25, 2018

Faculty :

Column :


Course :
To Delete, Select row & click
Stu_id :

Year :

new Value:

Above interface show the all the details of business Management 1st year students.

Below interface will see you about how update details.


VIEW/UPDATE & DELETE STUDENTS Details
< BACK

Stu_id	FullName	NIC	BirthDay	Address	Gender	MobileNo	RegisteredDate
2018/BM/001	K.Bandaranayake	961703187v	Jun 18, 1996	kurunegala,Kuliyap...	Male	0711241541	Jun 24, 2018
2018/BM/002	K.P Sinhapura	963105487v	Jul 18, 1996	Colombo 04	female	0755412541	Jun 25, 2018

Faculty :


Column :

Course :
Stu_id :

Year :

new Value:


Message


UPDATE Successfull.

OK

To **update** details Admin must select column that is needed to update and input the student id and new value for update & click the button.


Following show the deletion.


VIEW/UPDATE & DELETE STUDENTS Details
< BACK

Stu_id	FullName	NIC	BirthDay	Address	Gender	MobileNo	RegisteredDate
2018/BM/001	K.Bandaranayake	961703187v	Jun 18, 1996	kurunegala,Kuliyap...	Male	0765581023	Jun 24, 2018
2018/BM/002	K.P Sinhapura	963105487v	Jul 18, 1996	Colombo 04	female	0755412541	Jun 25, 2018

Faculty : School Of Business
Course : Business Management
Year : 1st


Column : Stu_id
Stu_id : 2018/BM/002
new Value:


Message
 2018/BM/002 Deleted.

Admin can **delete** some details as click some cell and click the delete button.

Now let's go to **Add Subjects Menu**

In this menu select the year, semester, Faculty & Course and Enter the Stu_Id for add Subjects. Next you can see first two subjects cannot select because these are compulsory subjects. So you can see the Subject name for each subject code in Right side of the interface. After select next two subjects tick the agree and click **Add Subjects**.


ADD Subjects
< BACK





Year : 1st
Semester : 1st
Faculty : School Of Business
Course : Business Management
Stu_ID :
SUB 1 :
SUB 2 :
SUB 3 :
SUB 4 :

Subjects
BM1001 - Business Studies
BM1002 - System Analysis
BM1003 - Computer System
BM1004 - Programming Concept
BM1005 - Presentation Studies
BM1006 - Networking
BM1007 - Web Analysing

☐ I agree above Details are Correct.

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ADD Subjects
< BACK

Year : 1st
Semester : 1st
Faculty : School Of Business
Course : Business Management
Stu_ID : 2018/BM/001

SUB 1 : BM1001
SUB 2 : BM1002
SUB 3 : BM1003
SUB 4 : BM1006

Subjects

- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing


☐ I agree above Details are Correct.


Add Subjects
Minimize
Exit

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This interface automatically loaded when basic students details added and if it is Successfully registered. But you can add manually using that menu.

Next go to Edit Subjects menu to Edit the subjects you selected. It is only work for registered and subjects added students. It's show the subjects for 3rd and 4th subjects. After select sub3 & sub4 Click save edit.




Edit Subjects
< BACK

Year : 1st
Semester : 1st
Faculty : School Of Business
Course : Business Management
Stu_ID : 2018/BM/001

SUB 3 : BM1003
SUB 4 : BM1006

Subjects

- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing

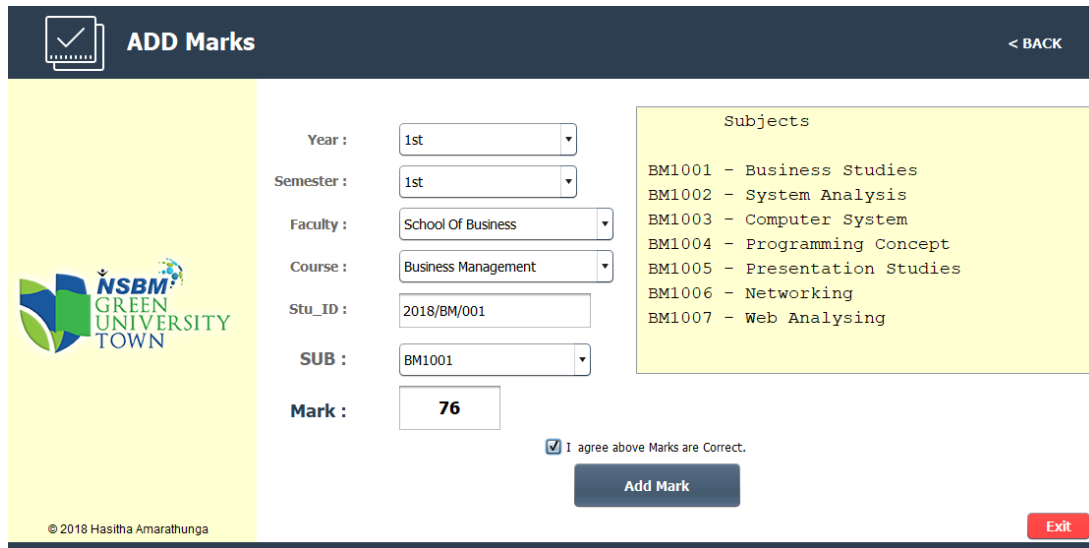
☐ I agree above Details are Correct.

Save Edited
Exit

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Let's go to **Add Marks Menu**

After selected year, semester, faculty & course and enter the Stu_Id you can select the Subject that registered and enter the marks for that subject and click Add Marks.



The screenshot shows the 'ADD Marks' interface. On the left is the NSBM Green University Town logo. The main area contains form fields for Year (1st), Semester (1st), Faculty (School Of Business), Course (Business Management), Stu_ID (2018/BM/001), SUB (BM1001), and Mark (76). A list of subjects is displayed on the right. At the bottom, there is a checkbox for 'I agree above Marks are Correct.' which is checked, an 'Add Mark' button, and an 'Exit' button.

ADD Marks < BACK

Year : 1st
Semester : 1st
Faculty : School Of Business
Course : Business Management
Stu_ID : 2018/BM/001
SUB : BM1001
Mark : 76

☒ I agree above Marks are Correct.

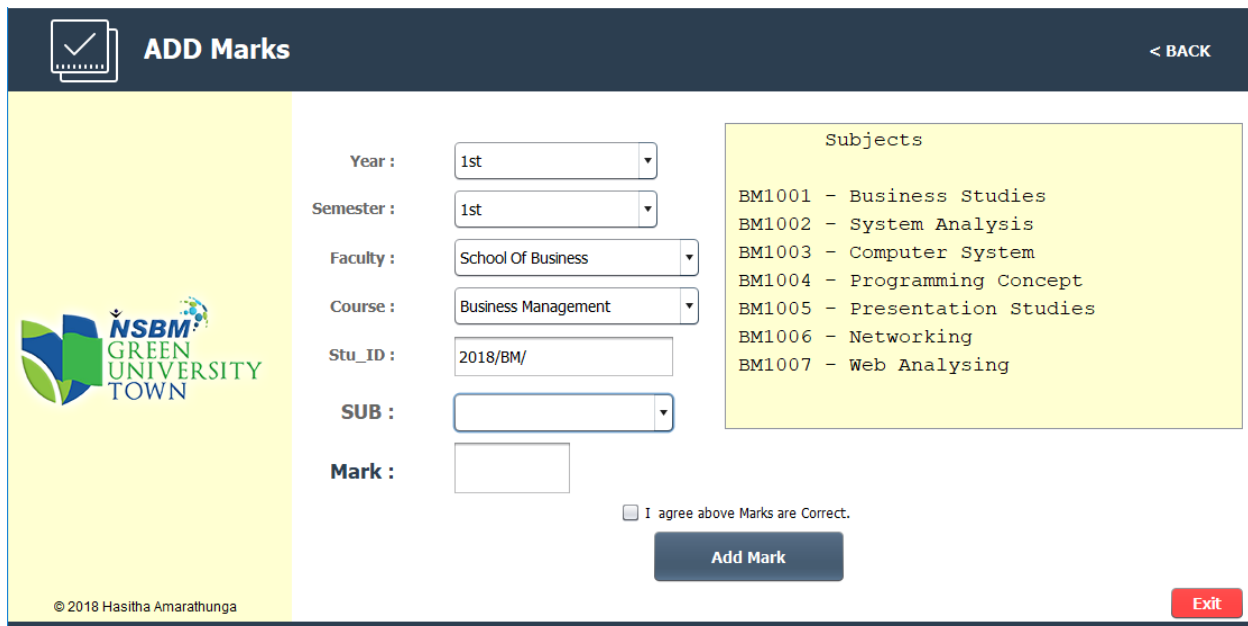
Add Mark Exit

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Subjects

- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing

In this menu if Stu_id is not valid then not show the Subjects.



The screenshot shows the 'ADD Marks' interface with an invalid Stu_ID. The form fields for Year, Semester, Faculty, Course, and Stu_ID (2018/BM/) are present. However, the SUB field is empty, and the list of subjects is not displayed. The checkbox for 'I agree above Marks are Correct.' is unchecked. The 'Add Mark' and 'Exit' buttons are still visible.

ADD Marks < BACK

Year : 1st
Semester : 1st
Faculty : School Of Business
Course : Business Management
Stu_ID : 2018/BM/
SUB :
Mark :


☐ I agree above Marks are Correct.

Add Mark Exit

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Let's go to **View Grade Menu**.

In the menu You can select year, semester, faculty, course and enter the Stu_Id. If it's not valid not show any subjects.



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✓

View Grade

< BACK

Year :
Semester :
Faculty :
Course :
Stu_ID :
SUB :
Grade :

1st
1st
School Of Business
Business Management
2018/BM/


Subjects

BM1001 - Business Studies
BM1002 - System Analysis
BM1003 - Computer System
BM1004 - Programming Concept
BM1005 - Presentation Studies
BM1006 - Networking
BM1007 - Web Analysing

View Grade

Exit

If it's Valid It's show that student subjects and you can see the grade if it's included marks.



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✓

View Grade

< BACK

Year :
Semester :
Faculty :
Course :
Stu_ID :
SUB :
Grade :

1st
1st
School Of Business
Business Management
2018/BM/001
BM1001

A- Passed

Subjects


BM1001 - Business Studies
BM1002 - System Analysis
BM1003 - Computer System
BM1004 - Programming Concept
BM1005 - Presentation Studies
BM1006 - Networking
BM1007 - Web Analysing


View Grade

Exit

Let's go to **Year Final report** menu.

In this menu Admin can create the report of Any students. It show the Subjects & marks Grade , GPA of each Subject , if the subject is passed or repeat & the final GPA of each Semester.


Generate Report
< BACK



Year :
Semester :
Faculty :
Course :
Stu_ID :

Generate Report

Year Report : (2018/BM/001)

	Grade	GPA	
BM1001 : 75	A-	3.6	Passed
BM1002 : 36	D	1.2	Repeat
BM1005 : 75	A-	3.6	Passed
BM1007 : 60	B-	2.6	Passed
			Semester GPA : 2.75


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Exit


These are the main things of **Students Menu**


Let's Back to the **Home**


Now Discuss About **Lecturer Menu**


In lecturer menu has three sub menus that are Add Details, View/Update & Delete Details and Add lecturers to Subjects Menu's.


Lecturers
< BACK





ADD Details


View/Update & Delete Details


ADD Lecturers to Subjects

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Exit

Like Students' menu Admin can add Lecturers & Instructors basic details in Add details Menu.



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ADD Staff Details

< BACK


Faculty :
Course :

Type :
ID :

Full Name :
Nic :

Address :
Gender : ☒ Male ☐ Female

Mobile No :
Email :

Description :
Registered Date :  #

☐ I agree above details are Correct.

Register


Minimize

Exit

Admin can select the type as Lecturer & Instructor. Then ID will auto generated.

In description Text are admin can describe More details about Lecturer like about Degree, experiences etc. Finally filling all the details and Admin can click Register button to Add details to the database.

After Registration back to Lecturers menu and go to view Menu & Admin can see the all details about Lecturer and Admin can search , update & Delete any details.



View/Update & Delete Staff Details

< BACK

ID	FullName	NIC	Type	Address	Gender	MobileNo	RegisteredDate

Faculty :
Course :

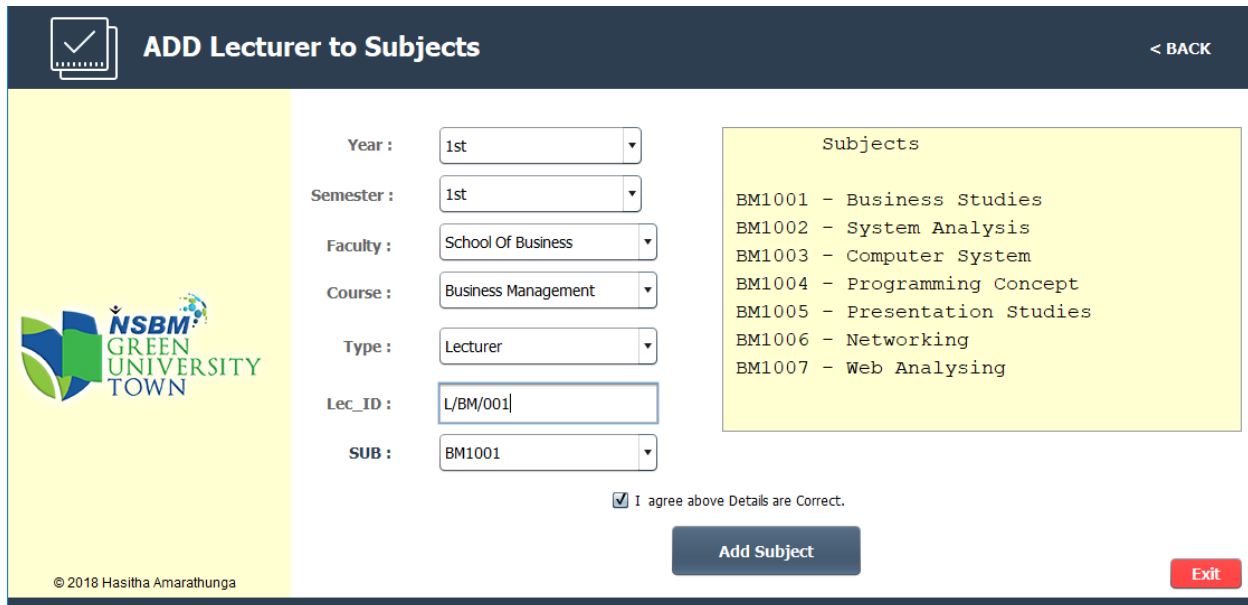
Column :
ID :
new Value:

To Delete, Select row & click

In this menu work same as Students view Menu. So I don't describe about each View delete Search and Update again.

Let's go to Add Lecturers to Subjects.

After select Faculty, Course, Year & Semester and Enter the Lecturer or Instructor Id Select the subject and click Add Subject.



The screenshot shows a web application interface for adding a lecturer to subjects. The header is dark blue with a checkmark icon and the title 'ADD Lecturer to Subjects', and a '< BACK' link. On the left is a yellow sidebar with the NSBM Green University Town logo and the copyright notice '© 2018 Hasitha Amarathunga'. The main form area contains several dropdown menus: 'Year' (1st), 'Semester' (1st), 'Faculty' (School Of Business), 'Course' (Business Management), 'Type' (Lecturer), 'Lec_ID' (L/BM/001), and 'SUB' (BM1001). To the right of these is a yellow box titled 'Subjects' containing a list of subjects: BM1001 - Business Studies, BM1002 - System Analysis, BM1003 - Computer System, BM1004 - Programming Concept, BM1005 - Presentation Studies, BM1006 - Networking, and BM1007 - Web Analysing. Below the dropdowns is a checkbox labeled 'I agree above Details are Correct.' and an 'Add Subject' button. A red 'Exit' button is in the bottom right corner.

These are the main things of Lecturer Menu.


Let's go back to Main Menu.


Now I will discuss about **Subjects** menu in Home.

That menu show the details about the lecturer of each faculty each course each subject.

It's show the subject details in right corner of the interface and under that field show the details of lecturer Name, Type, Email & description about that lecturer.

Following show the details about Business management subject BM1001.





Subjects Details

< BACK

Year :
Semester :
Faculty :
Course :
SUB:

Subjects

- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing

Details

BM1001
L. K. Jayaratne
Lecturer
jaye@gmail.com
Bsc Computer Science UCSC

View Details

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Exit


This is the main purpose of the **Subjects** menu.

Let's go back the Home.

Let's go to **Time Table** Menu.


Following show the sub menus of Time Table Menu.







Time Table

< BACK


ADD Time Table


Update Time Table



View Time Table

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Minimize
Exit

Let's go to Add Time table menu.

In Add Time table menu can Add Time table newly. That's mean if admin add the subject for particular course in very first time.



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ADD Subject to Time Table

[< BACK](#)

Year :

Semester :

Faculty :

Course :

Time :

Monday :

Tuesday :

Wednesday :

Thursday :

Friday :


Subjects

- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing


In this first select the year, Semester, Faculty, Course and Time period. After selected that you can select subject & hall for particular day. For example you want to add Business management course 8-10 time Monday to BM1001 & hall w001 You select that from the fields.

Above added every week days 8-10 time period time table of Business Management course.

Next let's go to Update subject Menu.



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Update Time Table

[< BACK](#)

Year :

Semester :

Faculty :

Course :

Time :

Day :

Subject & Hall :

Subjects


- BM1001 - Business Studies
- BM1002 - System Analysis
- BM1003 - Computer System
- BM1004 - Programming Concept
- BM1005 - Presentation Studies
- BM1006 - Networking
- BM1007 - Web Analysing

If you added some subject to particular time period but you want to edit the Subject of that particular date and day then admin can help that menu.

For an example You want to change in the business management time table **Monday 8-10** as **BM1004** and hall as **w002** you can select as above scenario and Update.

Let's go to View Time Table.

You can select Faculty, Course, Year & semester and Show the time table as below.

 **View Time Table** < BACK

time	monday	tuesday	wednesday	thursday	friday
1-3	BM1001 (w001 Hall)	BM1002 (MiniAudi Hall)	None (None Hall)	None (None Hall)	None (None Hall)
10-12	BM1001 (w002 Hall)	BM1003 (w002 Hall)	None (None Hall)	BM1003 (w002 Hall)	None (None Hall)
3-5	BM1003 (MiniAudi Hall)	BM1001 (MiniAudi Hall)	BM1004 (w002 Hall)	BM1006 (w001 Hall)	BM1007 (w002 Hall)
8-10	BM1001 (MiniAudi Hall)	BM1003 (w001 Hall)	BM1001 (MiniAudi Hall)	BM1004 (A01 Hall)	None (None Hall)

Year :
Semester :
Faculty :
Course :

1st

1st

School Of Business

Business Management

View

Exit


These are the features of Time Table menu.


Let's go back to Home page.

Let's discuss about **Labs** Menu.

Labs Menu show the schedule of Labs. It will filter the Faculty, Subject & day. That's mean if you want to see Faculty of Management, Business Management Monday Lab schedule, you can select that field and View the Labs Schedule.

Following show the interface of that.





View LAB Time Table

[< BACK](#)


year	time	subject


Faculty :
Course :
Day :

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(Before View)

Following show the after clicking View Button.





View LAB Time Table

[< BACK](#)

year	time	monday
1st	10-12	BM1003 (LAB C Hall)

Faculty :
Course :
Day :

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So, these are the main features of that course Enrollment System.

- A.H.V Darshana -