



# NSBM Student Management

JAVA Project

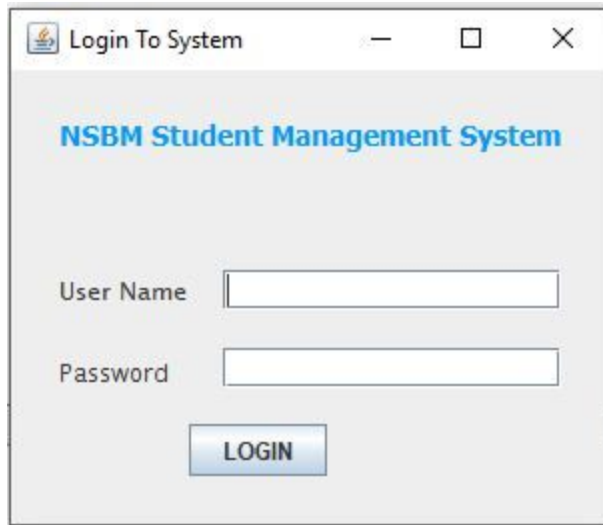
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A.A.M. Madushanka

# User Documentation

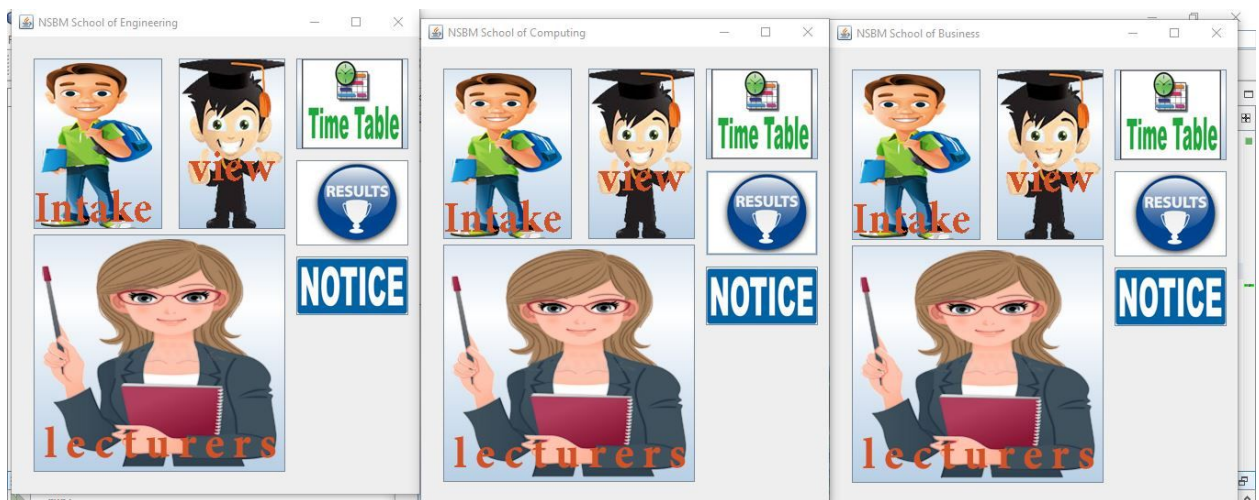
This is first look after you run the program so you need log into the system first.(I will commented out this login screen in my uploaded project)



After you log into the system it will display NSBM faculty icons you can select your current working faculty and do anything from system of selected faculty.



Below image show you inner interface of each faculty.



Then now I focussing business faculty only because other faculties also same as business faculty. first you intake student to the faculty and register information of the student related database table you can do this click intake button after you will see below interface and you need to fill student details and click image button for submit student data to the database after you clicked register button student also receive email of he or her given details this will helpful to student to check their information accuracy. (the mail function I was commented out of my uploaded code)

**New Intake to School of Business**

First Name

Last Name

Age

NIC NO

Gender

Intake Year

Intake Month

Address

E-mail

Telephone

A/L Index No

A/L Results Z-Score

Accounting  Econ  Business Studies  English

Qualification Level

If you select postgraduate as a Qualification level fill below details... and if not fill below details

Qualification Type : No

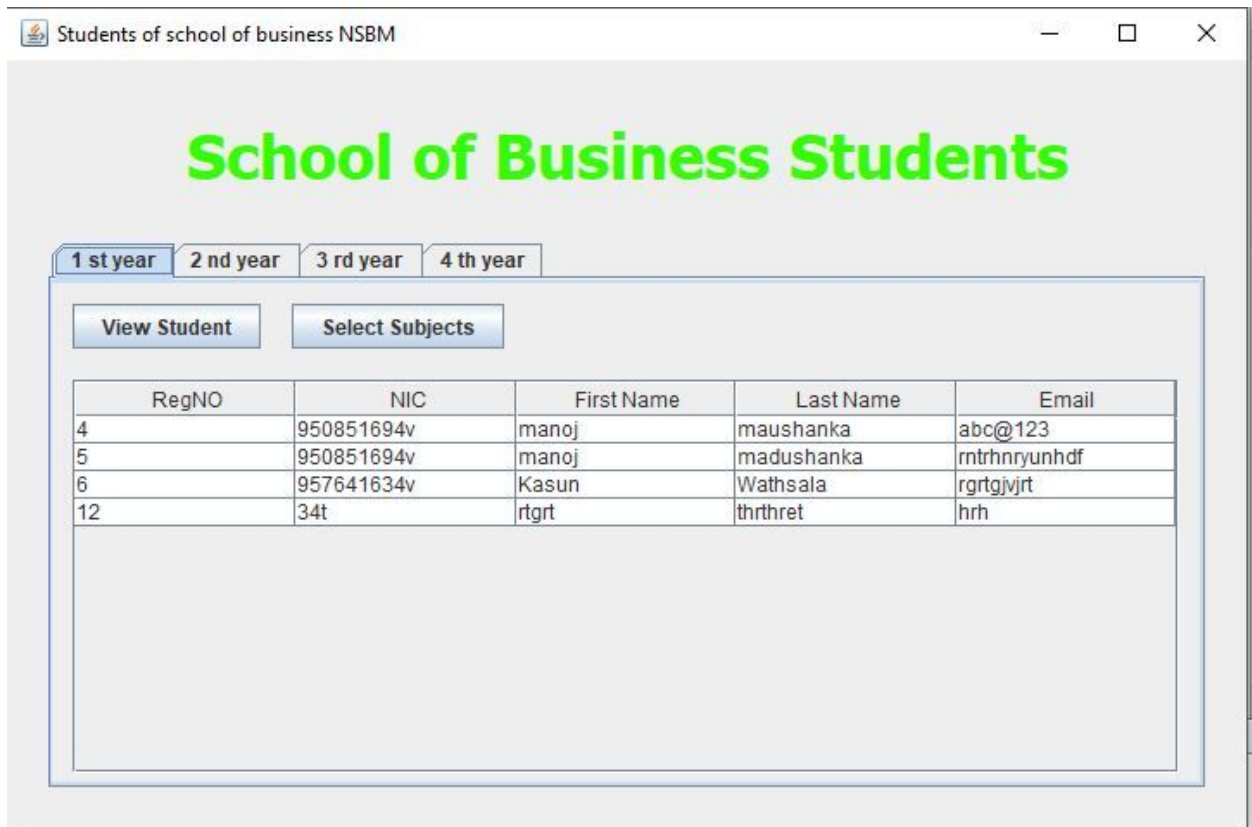
Institute : No

Year of complete : the year you complete this degree

Qualification Type

Institute  Year of Completion


After admin also need to see registered students details. This can do from view button. After clicking view button system will pop-up below interface showing all students of related faculty. You can see more details of the student clicking **view student** button. And you need to select each student to subjects for each semester you can do it from **select subjects** button.



RegNO	NIC	First Name	Last Name	Email
4	950851694v	manoj	maushanka	abc@123
5	950851694v	manoj	madushanka	rntrhnryunhdf
6	957641634v	Kasun	Wathsala	rgrtgivr
12	34t	rtgrt	thrthret	hrh



Below is the interface after you view student button it will show more details about selected student.


**Selected Student Details**
—
□
×

<b>First Name</b>	<input type="text" value="manoj"/>		
<b>Last Name</b>	<input type="text" value="madushanka"/>		
<b>Age</b>	<input type="text" value="22"/>		
<b>NIC NO</b>	<input type="text" value="950851694v"/>		
<b>Address</b>	<input type="text" value="gvfbviurewbv"/>		
<b>Gender</b>	<input type="text" value="Male"/> <span>▼</span>		
<b>Intake Year</b>	<input type="text" value="2018"/>		
<b>Intake Month</b>	<input type="text" value="February"/> <span>▼</span>		
<b>A/L Index No</b>	<input type="text" value="7356876"/>		
<b>A/L Results</b>	<b>Z-Score</b>	<input type="text" value="2.1"/>	
<b>Accounting</b>	<input type="text" value="A"/> <span>▼</span>	<b>Econ</b>	<input type="text" value="A"/> <span>▼</span>
<b>Business Studies</b>	<input type="text" value="A"/> <span>▼</span>	<b>English</b>	<input type="text" value="A"/> <span>▼</span>
<b>Qualification Level</b>	<input type="text" value="Undergraduate"/> <span>▼</span>		
If you select postgraduate as a Qualification level fill below details... and if not fill below details Qualification Type : No Institute : No year of complete : the year you complete this degree			
<b>Qualification Type</b>	<input type="text" value="no"/>		
<b>Institute</b>	<input type="text" value="no"/>	<b>Year of Completion</b>	<input type="text" value="2020"/>

Now this is interface for select subject and give payment for each semester of selected student.

## Subject selecting and payment form for School of Business

please select year

1 year
▼

please select semester

semester 1
▼

**Student Name**

**Reg ID(must same to student details)**

<b>Subject 1</b>	Management Process	<b>Lecturer</b>	Dr. Jayantha Silva	<b>payment amount</b>	3000	<b>Credits</b>	3
<b>Subject 2</b>	Business Communication	<b>Lecturer</b>	Dr. Sarath Fonseka	<b>payment amount</b>	3000	<b>Credits</b>	3
<b>Subject 3</b>	Financial Accounting	<b>Lecturer</b>	Dr. Saman Randunu	<b>payment amount</b>	3000	<b>Credits</b>	3
<b>Subject 4</b>	BY1S1Item1 ▼	<b>Lecturer</b>	Dr. Warnakulasooriya	<b>payment amount</b>	2500	<b>Credits</b>	2
<b>Subject 5</b>	BY1S1Item1 ▼	<b>Lecturer</b>	Dr. Premadasa	<b>payment amount</b>	2500	<b>Credits</b>	2
<b>Subject 6</b>	BY1S1Item1 ▼	<b>Lecturer</b>	Dr. Tissera	<b>payment amount</b>	2500	<b>Credits</b>	2
<b>Subject 7</b>	BY1S1Item1 ▼	<b>Lecturer</b>	Dr. Arumapperuma	<b>payment amount</b>	2500	<b>Credits</b>	2

**Total credit you will get from this sem...**

**Total payment value**

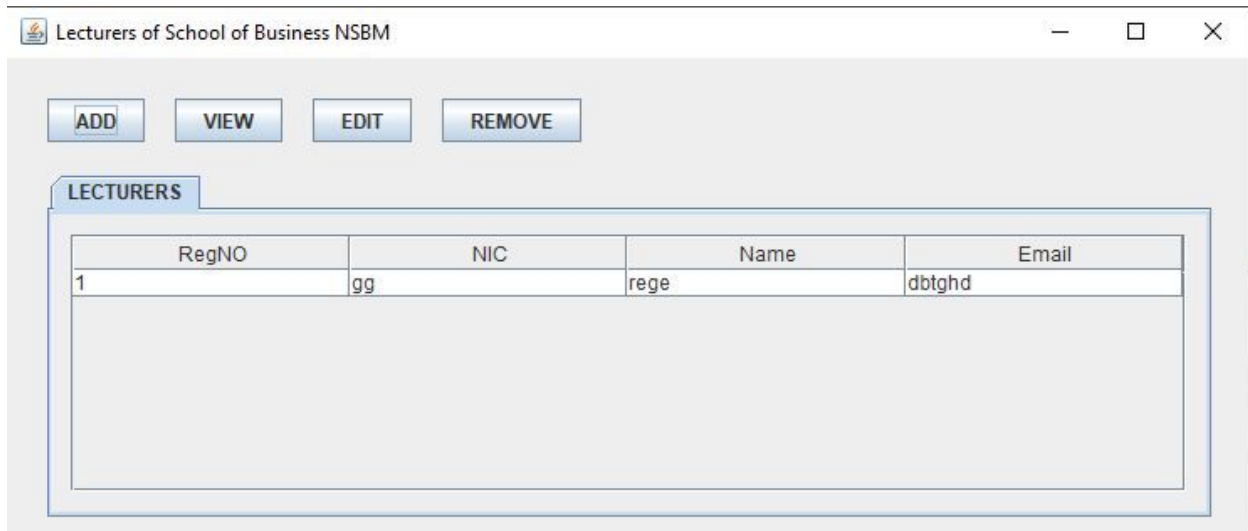
17

19000

If information correct press PROCEED after student will receive email

**Proceed**

Admin also need to manage lecturers in each faculty for that you need to click lecturers button of main interface. after that you will see below interface related lectures of you selected faculty. you can add, edit, remove and view lecturers in that interface.



RegNO	NIC	Name	Email
1	gg	rege	dbtghd

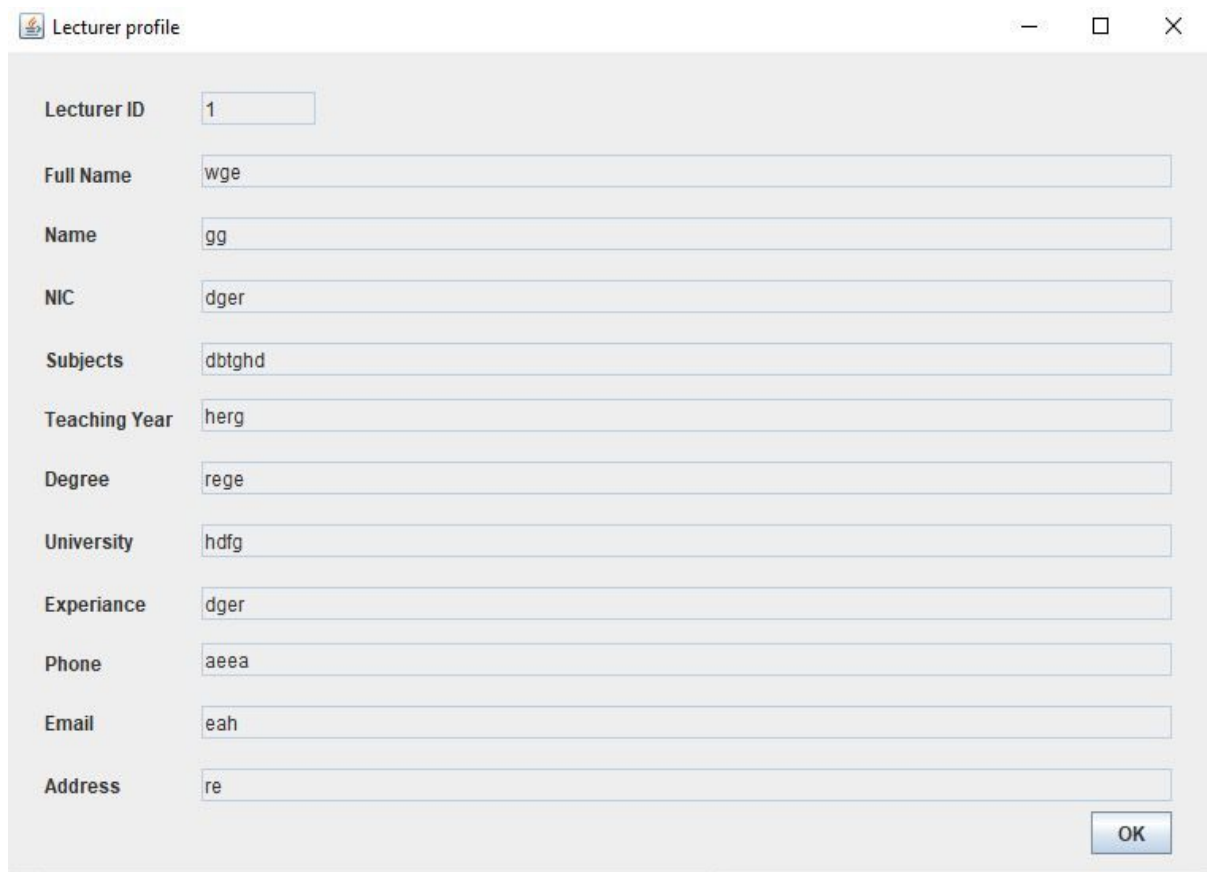
Below interface is related to add button of above interface from this you can add lecturer to the current faculty what are you in.



Full Name	<input type="text"/>
Name	<input type="text"/>
NIC	<input type="text"/>
Subjects	<input type="text"/>
Teaching Year	<input type="text"/>
Degree	<input type="text"/>
University	<input type="text"/>
Experience	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>
Address	<input type="text"/>

ADD

This interface can see you more details about selected lecturer.



A screenshot of a software window titled "Lecturer profile". The window contains a form with the following fields and values:

Field	Value
Lecturer ID	1
Full Name	wge
Name	gg
NIC	dger
Subjects	dbtghd
Teaching Year	herg
Degree	rege
University	hdfg
Experiarence	dger
Phone	aeaa
Email	eah
Address	re

An "OK" button is located at the bottom right of the window.

After we need to see time table of each student group in campus.so for do this you need click time table button of main interface after you can see below interface then you click what year time table is need you now and then you can timetable of related faculty.



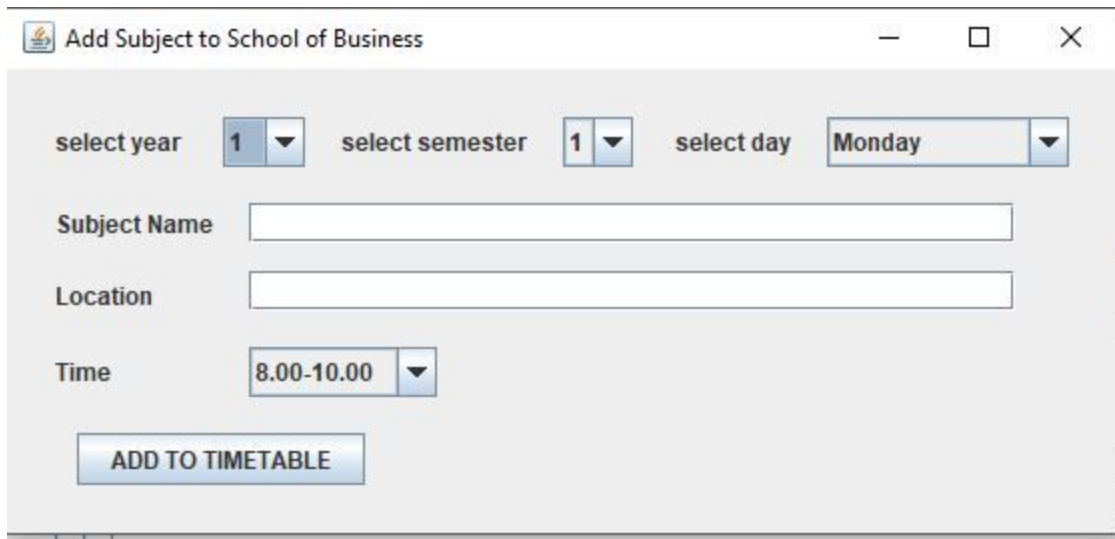
A screenshot of a software window titled "Select Year Please". The window displays four buttons, each with a circular icon containing text:

- 1<sup>st</sup> year
- 2<sup>nd</sup> year
- 3<sup>rd</sup> year
- 4<sup>th</sup> year



[illegible]

Below interface show after you select add button and you can add slot to the timetable using this after fill details and click add to timetable button.



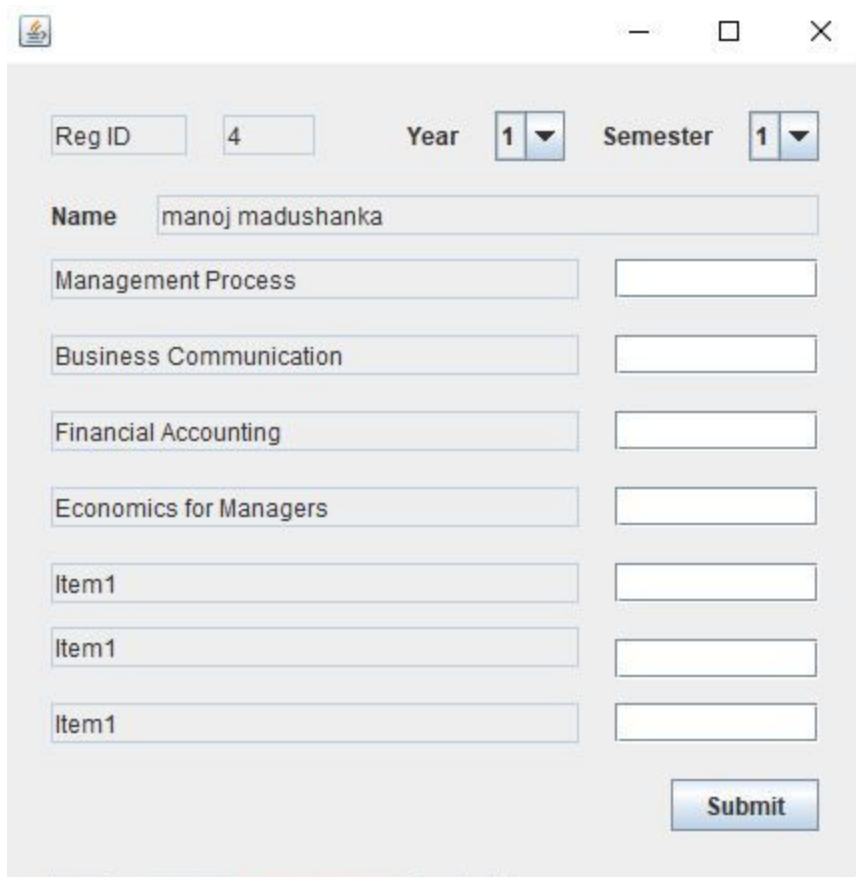
The screenshot shows a web application window titled "Add Subject to School of Business". The window contains several input fields and a button:

- select year:** A dropdown menu with the value "1" selected.
- select semester:** A dropdown menu with the value "1" selected.
- select day:** A dropdown menu with the value "Monday" selected.
- Subject Name:** A text input field.
- Location:** A text input field.
- Time:** A dropdown menu with the value "8.00-10.00" selected.
- ADD TO TIMETABLE:** A button.

Then you need to add result of students after end of the semester exam you can do it from result button of main interface from each faculty interface. after click result button it will show all students in the related faculty and you can add result for each student manually from below interface.

RegID	Name
4	manoj madushanka
12	ertgtr

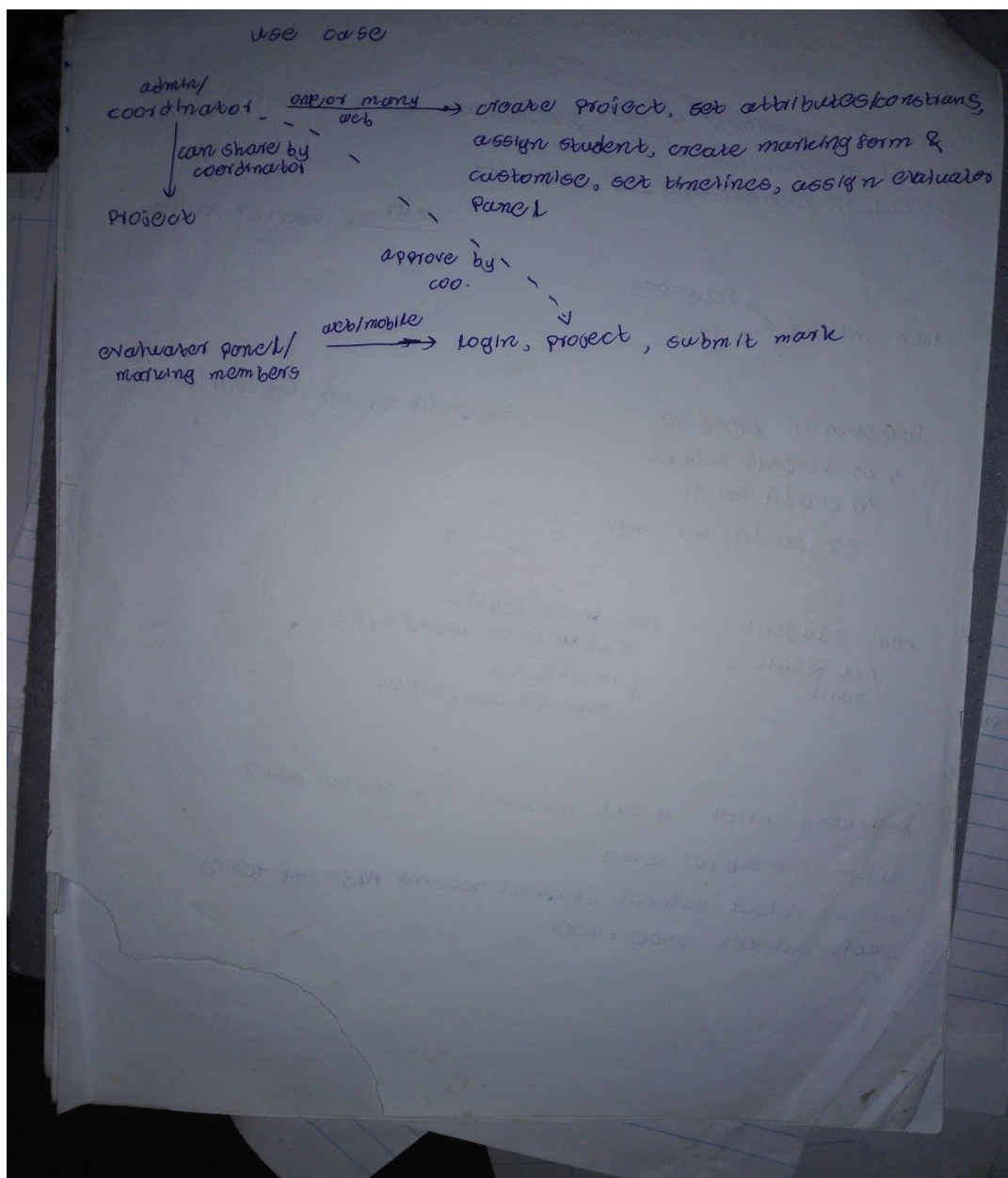
This interface related to add result button this will show selected student details like subjects you can fill each subject mark and click submit button the result calculated by system after you giving numeric values for the results.



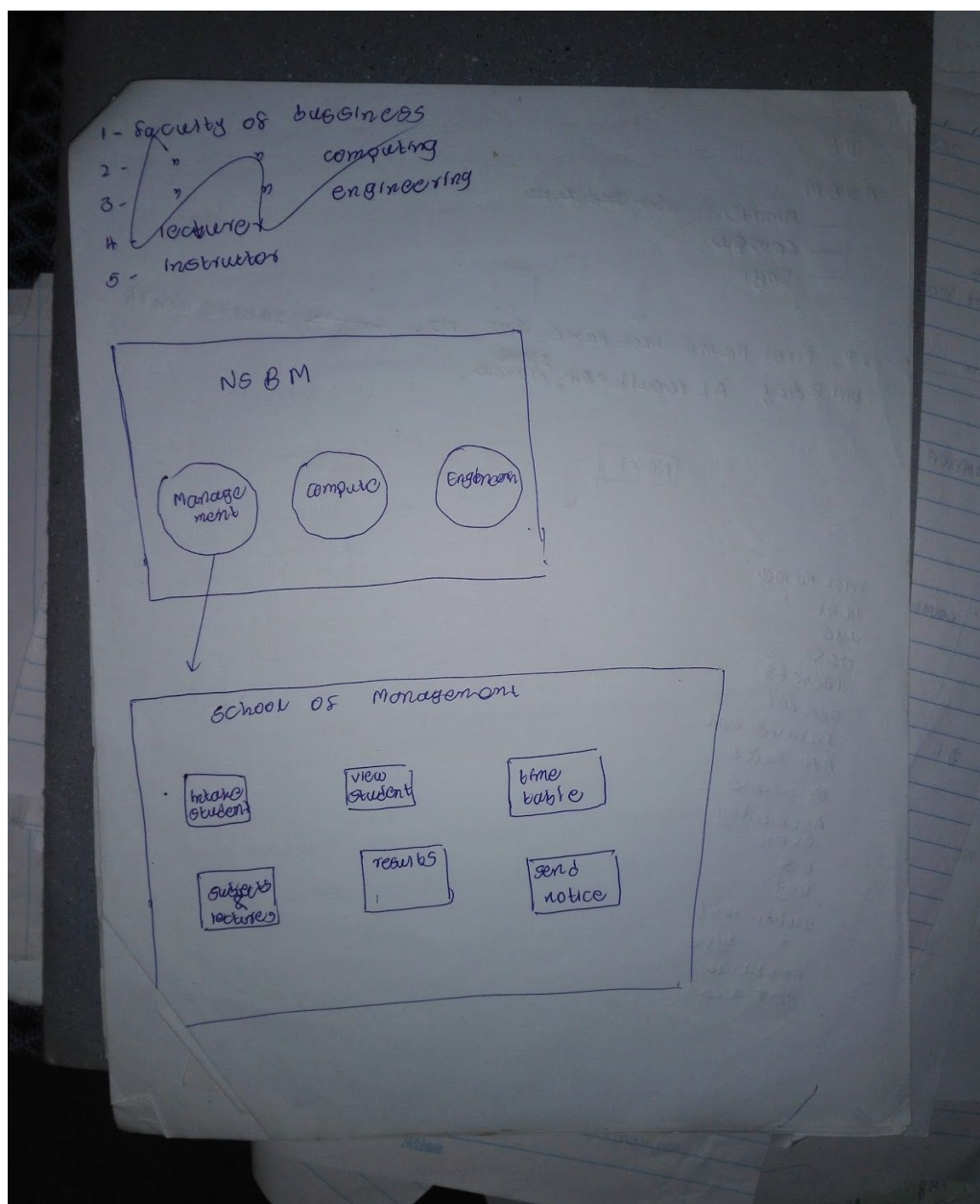
The screenshot shows a web application window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The interface is designed for entering student details and marks. At the top, there are input fields for 'Reg ID' (containing '4'), 'Year' (a dropdown menu showing '1'), and 'Semester' (a dropdown menu showing '1'). Below these is a 'Name' field containing 'manoj madushanka'. The main section consists of a table with two columns: subject names and corresponding mark input boxes. The subjects listed are 'Management Process', 'Business Communication', 'Financial Accounting', 'Economics for Managers', and three generic 'Item1' entries. At the bottom right of the form is a 'Submit' button.

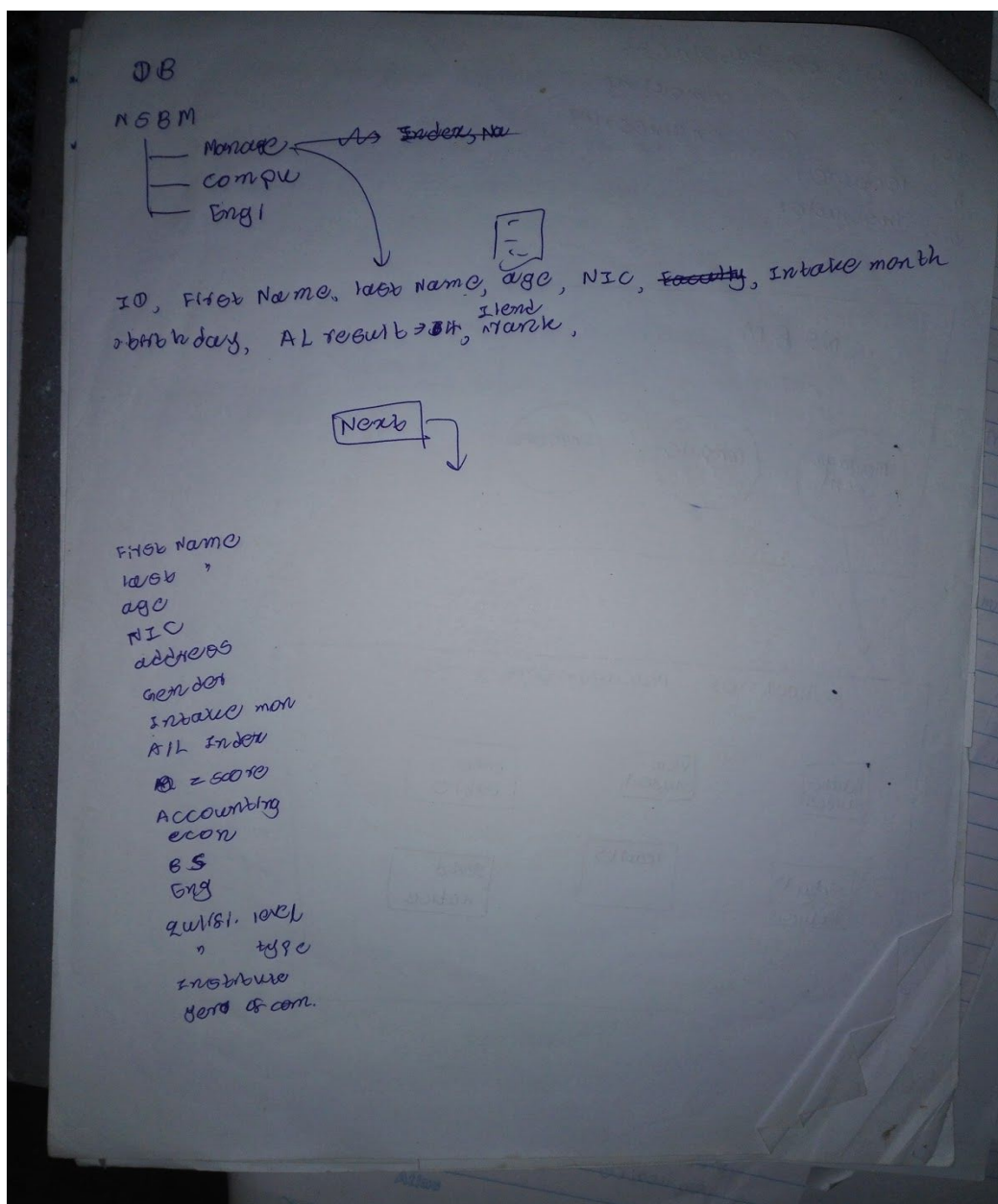
Reg ID	4	Year	1	Semester	1
Name: manoj madushanka					
Management Process					
Business Communication					
Financial Accounting					
Economics for Managers					
Item1					
Item1					
Item1					
<div>Submit</div>					

# Development Process









student select

bxid name

bxregid

bxManPro

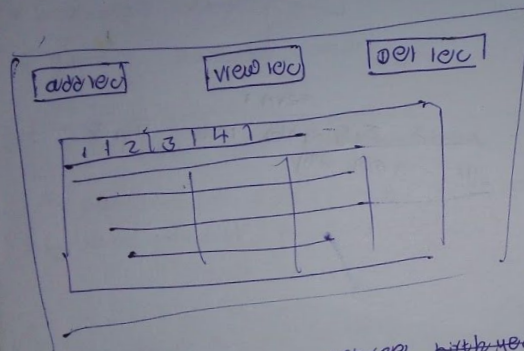
bxLeoManPro

bxAmamrManPro

bx credit ManPro

bxBuco

lecturer

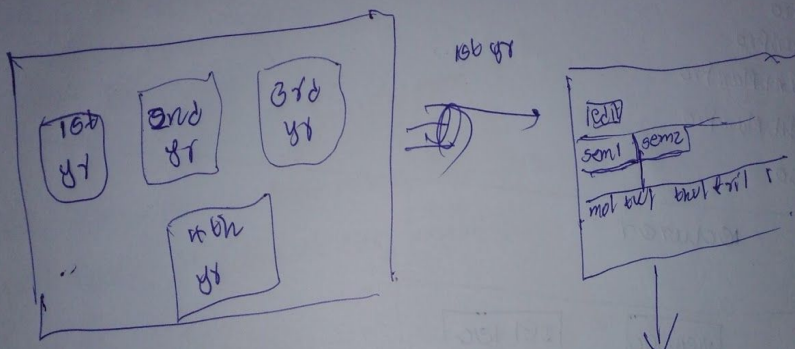


DB : lec id, name, degree, birthyear, subject, university,  
experience, phone, email

lecturer: full name, <sup>name</sup> NIC, subjects, teaching year, degree,  
university, experience, phone, email, address

100000000, students, subjects main class

Time table



sem 1  
sub id sub name loc time  
yr, sem, day



school of business

semone sub 1

semone sub 2

1 1

1 1

1 yr → 8

1 yr → 8 x 4 = 32 column will add

\* business lecturer

name subject credit

before year one sem one

Student ID, sub 1, sub 2, sub 3, sub 4, lecturer name, payment amount, credits

business credits: 4 x 3 = 12

20

7

7 x 3 = 21

3 x 4 = 12  
30

school of business sem 1 year 1

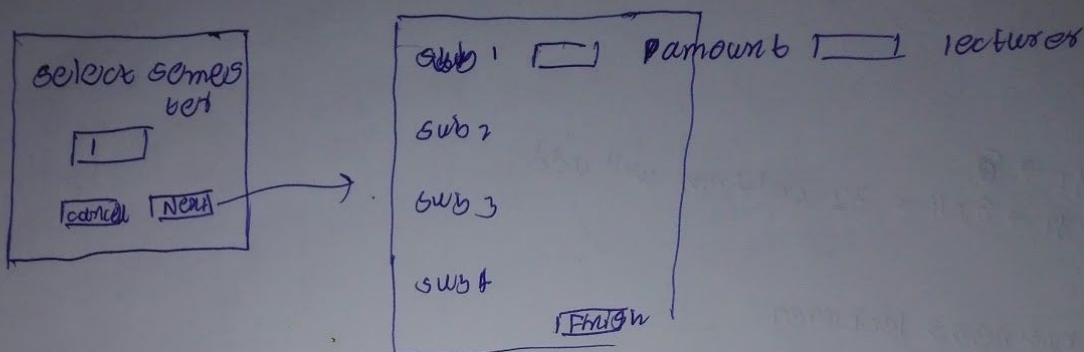
st ID, st name, sub 1, sub 2, sub 3, sub 4, sub 5, sub 6, sub 7, sub 8,  
sub 1 credit ... sub 1 rec ... , reg id foreign key

sub 1 amount

32  
3  
35



select subject ; also send email to student after select subject



sub1  amount  lecturer   <sup>profile</sup> credits

\* database for school of business subject

# tables : 5/6 gr ---

each table

first year : subject ID, subject name, subject payment, credit amount

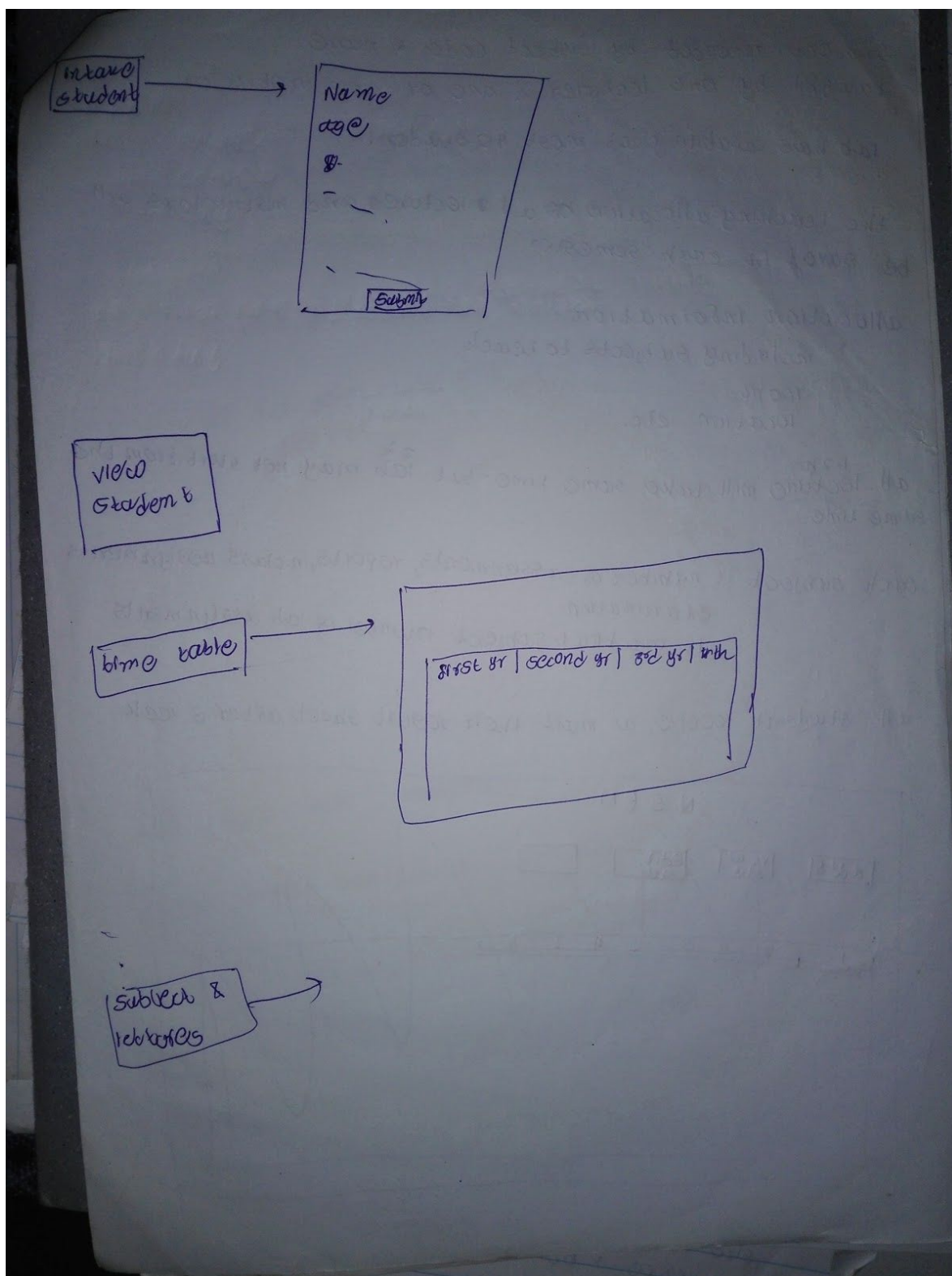
\* database for lecturers

# ~~table~~ 3 table : businesslectures, 45 lectures --

business lecture : lec id, name, qualification

subjectbw table

subject id, name, lecture name, credit, amount, assignment number



subject recorded by subject code & name  
 taught by one lecturer & one or more instructors  
 lab has capability at most 40 student

the teaching allocation of all lectures and instructors will  
 be saved in each semester

allocation information

including subjects to teach

room

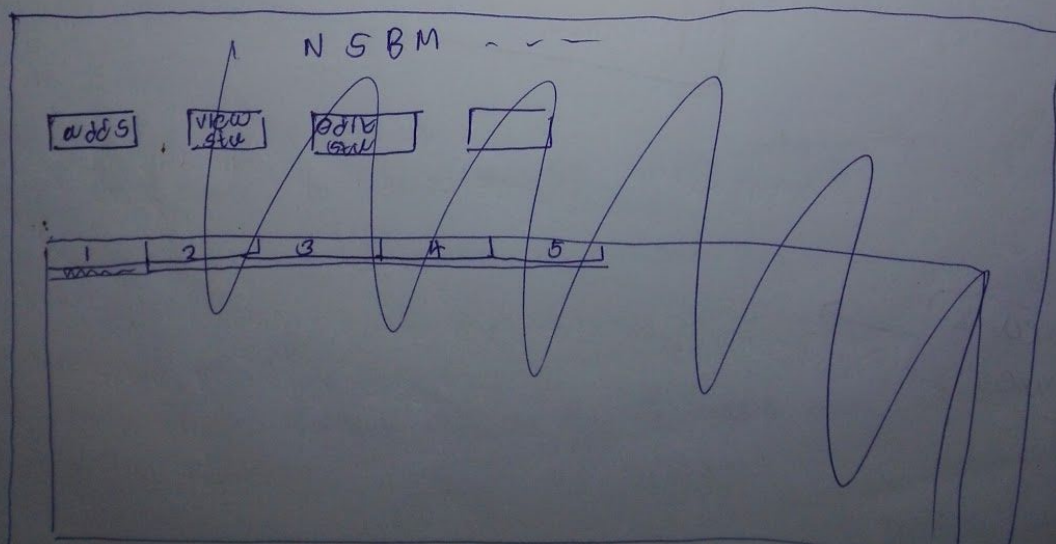
location etc.

all <sup>1-2h</sup> lecture will take same time but <sup>2h</sup> lab may not start from the  
 same time

each subject : number of assignments, reports, in class assignments  
 examination

if practical subject number of lab assignments

all student receive a mail their result sheet after 3 week





business

1st year

views:

Select sub

Intake yr

is intake yr == current yr  
show yr

Intake mon

use sub for all  
student also  
for select sub

sub list

<input type="checkbox"/>	cost price
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

ADD EDIT VIEW send mail

Reg id Name sub price ... sub?

business

1st year

views.

select sub

Intake mon

use sub for all  
student also  
for select sub

Cancel

Next

Intake yr

is intake yr or current yr  
first yr

sub list

☐ M

credit price

☐ N☒ V☐ N

submit

ADD EDIT VIEW send mail

Reg id Name Subscribed ... sub?

20



# Dynamic Programming

- solving recurrences
- iteration, master method
- exponentiation to polynomial

make different table for add result

regid

name

~~name~~ sub1

sub1 + sub2

sub1 marks

↓

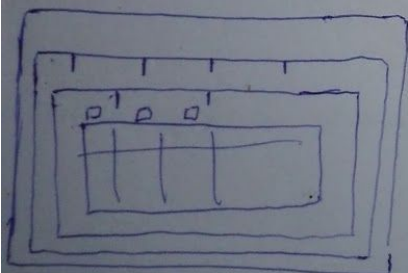
sub7

Head

6emc00000

result ID

3X7 021



# DataBase View

phpMyAdmin

Server: 127.0.0.1 » Database: nsbm

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> schoolofbusiness	★ Browse Structure Search Insert Empty Drop	9	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesslecturers	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinessresults	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem1year1	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem1year2	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem1year3	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem1year4	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem2year1	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem2year2	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem2year3	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinesssem2year4	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofbusinessst timetable	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputing	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputinglecturers	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingresults	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem1year1	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem1year2	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem1year3	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem1year4	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem2year1	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem2year2	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem2year3	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
<input type="checkbox"/> schoolofcomputingsem2year4	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-

Console

ENG 12:28 AM