



## University Management System

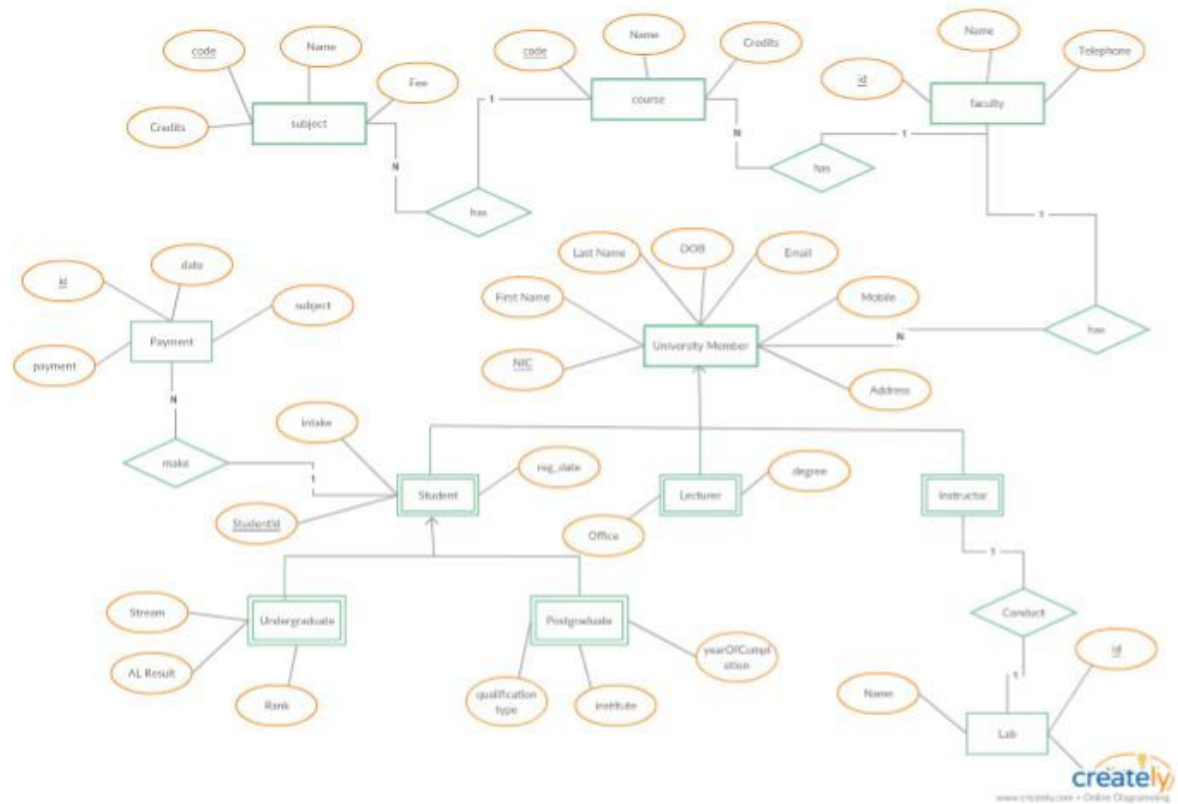
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2016/cs/087

SCS 2104

## Entity Relationship diagram

First of all, I was able to identify set of entities in the scenario and their relationships.



## Folder Structure :

This is the folder structure which is used for building the system.

-src

- images                      -> contains all the images i have used
- uniapp.class                -> contains all the classes
- uniapp.dbConnection      -> contains the file that connect with the database
- uniapp.interfaces         -> contains all the interfaces

-Libraries   -> contains mysql JDBC Driver and other libraries

## Interfaces

There are set of interfaces .I will explain one by one with their duties.

### *Login Interface*

This is the very first interface that user can interact with the system.



*User Name - admin*  
*password- admin*

**User Name :**

**Password :**

**Sign In** **Sign Up**

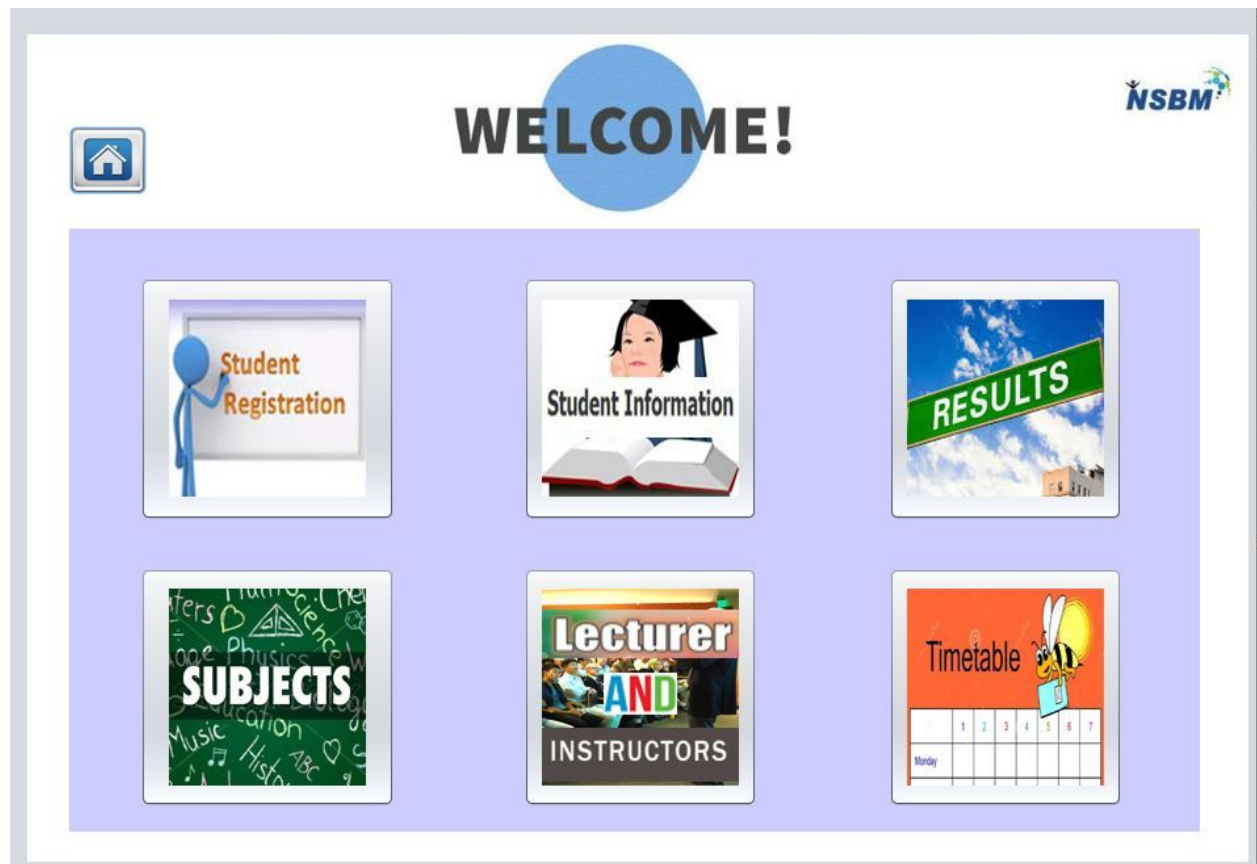
In this, After filling user name and password field , new user can log and register the system using 'sign Up' button and Registered user can log to the system using 'sign in' button. After successful login , home page is loaded.

### *Home Interface*

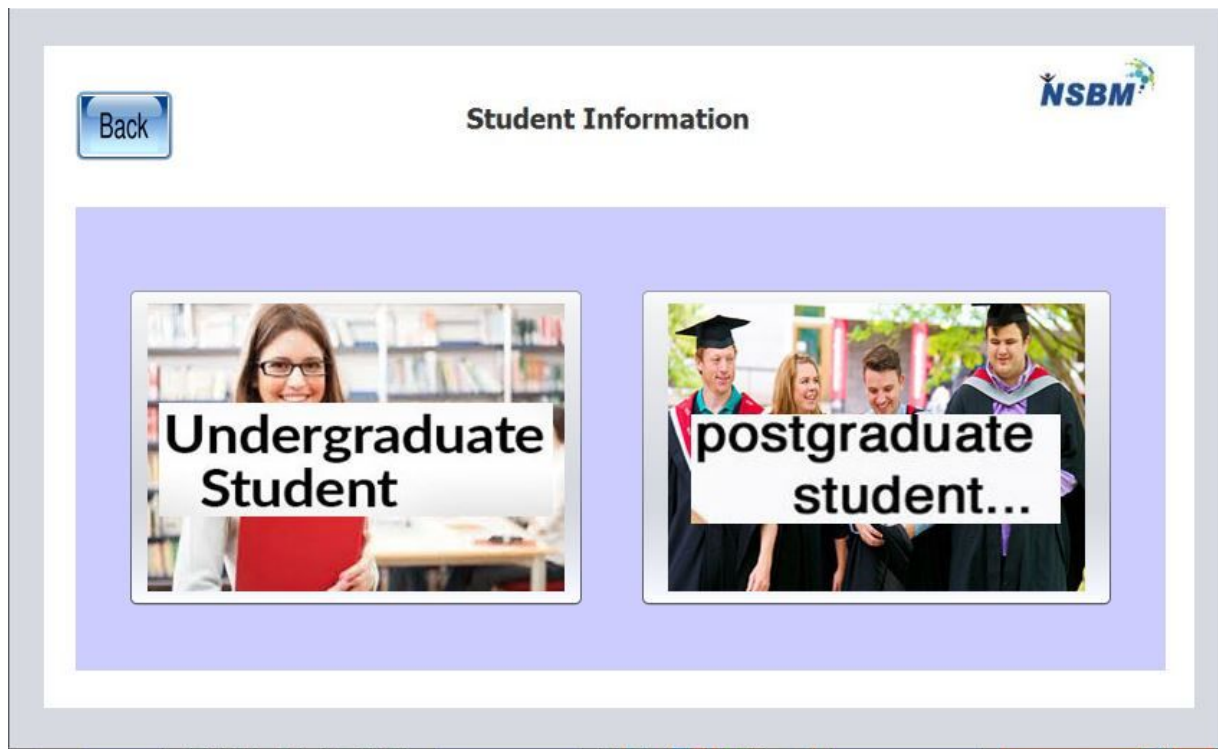


All the faculties shown in the home page. I will choose 'school of computing' for my father exploration. After clicking 'computing' , loading the dashboard for particular faculty.

## ***DashBord Interface***



Those are the operations dashbord has. After clicking 'student registration' button ,



After clicking 'undergraduate student' button, 'Undergraduate Registration Form' will come,

**Student Registration Form**

<p>Register No : <input type="text"/></p> <p>Name : <input type="text"/></p> <p>NIC : <input type="text"/></p> <p>Date Of Birth : <input type="text"/></p> <p>Address : <input type="text"/></p> <p>Age : <input type="text"/></p> <p>Gender : <input type="radio"/> Male <input type="radio"/> Female</p> <p>E-mail : <input type="text"/></p> <p>Tel Number : <input type="text"/></p> <p>District : <input type="text"/></p>	<p>Reg Year : <input type="text"/></p> <p>Rank : <input type="text"/></p> <p>Z core : <input type="text"/></p> <p>Result : <input type="text"/></p> <p>Faculty : <input type="text" value="COM"/> Year : <input type="text" value="1"/> Semester : <input type="text" value="1"/> <a href="#">View Subjects</a></p> <p>Optional Subjects</p> <div style="border: 1px solid black; height: 100px; width: 150px;"></div> <p style="text-align: center;"><a href="#">Add</a></p> <p>Comp. Credits : <input type="text"/></p> <p>Opt. Credits : <input type="text"/></p> <p>Tot. Credits : <input type="text"/></p> <p style="text-align: center;"><a href="#">Remove</a></p> <p style="text-align: center;"><a href="#">Submit</a> <a href="#">cancel</a></p>
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After clicking 'postgraduate student' button postgraduate student button will come.




**Post Graduate Student Registration Form**

Registration Number : <input type="text"/> Name : <input type="text"/> NIC : <input type="text"/> Date of Birth : <input type="text"/> Address : <input type="text"/> Age : <input type="text"/> Gender : <input type="radio"/> Male <input type="radio"/> Female E-Mail : <input type="text"/> Tel Number : <input type="text"/> District : <input type="text"/> Current Year : <input type="text"/>	Qualification Type : <input type="text"/> Passed Out Year : <input type="text"/> Current GPA : <input type="text"/> Institute : <input type="text"/> Faculty : <input type="text" value="COM"/> Semester : <input type="text" value="1"/> <input type="button" value="View Subjects"/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Optional Subjects</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center;"><input type="button" value="Add"/></p> <p style="text-align: center;"><input type="button" value="submit"/></p> </div> <div style="width: 10%; text-align: center;"> <p>C.credits : O.credits : Tot .credits :</p> <p style="text-align: center;"><input type="button" value="Remove"/></p> </div> <div style="width: 45%;"> <p>Selected Subjects</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center;"><input type="button" value="Cancel"/></p> </div> </div>
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After forms are filed and click the submit button , data save in the database.  
 If you want to see student information, click the 'student information' button.

**Select Accadumic Year & Semester**



☐ First Year  
  
☐ Second Year  
  
☐ Theard Year  
  
☐ Forth Year

☐ First Semester  
  
☐ Second Semester



Now select your academic year and semester. After choosing ,


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Student Information

Reg Num	Name	NIC	DOB	Age	Address	Gender	E-Mail	Tel Number	District	Current Year
2018cs56	1995/2/1	950320486V	gayan samapath	15	kandy	male	gayansampathm...	1782546321	colombo	2016
scs175	sjith	95321580	1996/8/7	23	peradeniya	male	sujiit@gmail.com	1245782	Kandy	2015
scs200	kamal	895323232	1254/8/7	12	ghiji	male	ktgialip@gmail.c...	8976451	matara	2016
scs550	amara	789465	1245/8/7	45	peradeniya	male	amara@gmail.co...	11468204	kandy	2015
scs60	14521	956241v	gayan	23	peradeniya	male	gayan@gmail.com	81234562	kandy	2015
scs61	1995/2/1	3215421v	sampath	20	kagalle	male	sampath@gmail...	12045782	jafna	2014
scs62	1992/4/5	213542v	kamal	24	pillimathalawa	male	kamal@gmail.com	4125321	mathale	2013
scs63	199/6/2	875421v	rani	25	mawanalle	female	rani@gmailcom	1245215	nuwara Eliiya	2014
scs64	1994/8/5	245183v	nimal	23	galle	male	nimal@123	1245321	galle	2015

Show all the informations of all the students who is studding particular academic year and semester. If you want to see specify student's details, give the register number of particular student in the search box and search , Then another interface come with particular student details.(i will choose register number scs61).

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**Student Information**



Registration No	:	<b>scs61</b>	Subjects :	
Student Name	:	1995/2/1	scs1000	subject A
NIC Number	:	3215421v	scs1001	subject B
Address	:	kagalle	scs1002	subject C
District	:	jafna	scs1003	subject D
Date Of Birth	:	sampath		
Age	:	20		
Gender	:	male		
E-Mail	:	sampath@gmail.com		
Tel - Number	:	12045782		

OK

If you want to see results of the students, click the 'result' button of dashbord. After clicking the 'result ' button ,



***Select Your Accadumic Year & Semester***

☐ *First Year*                      ☐ *First Semester*

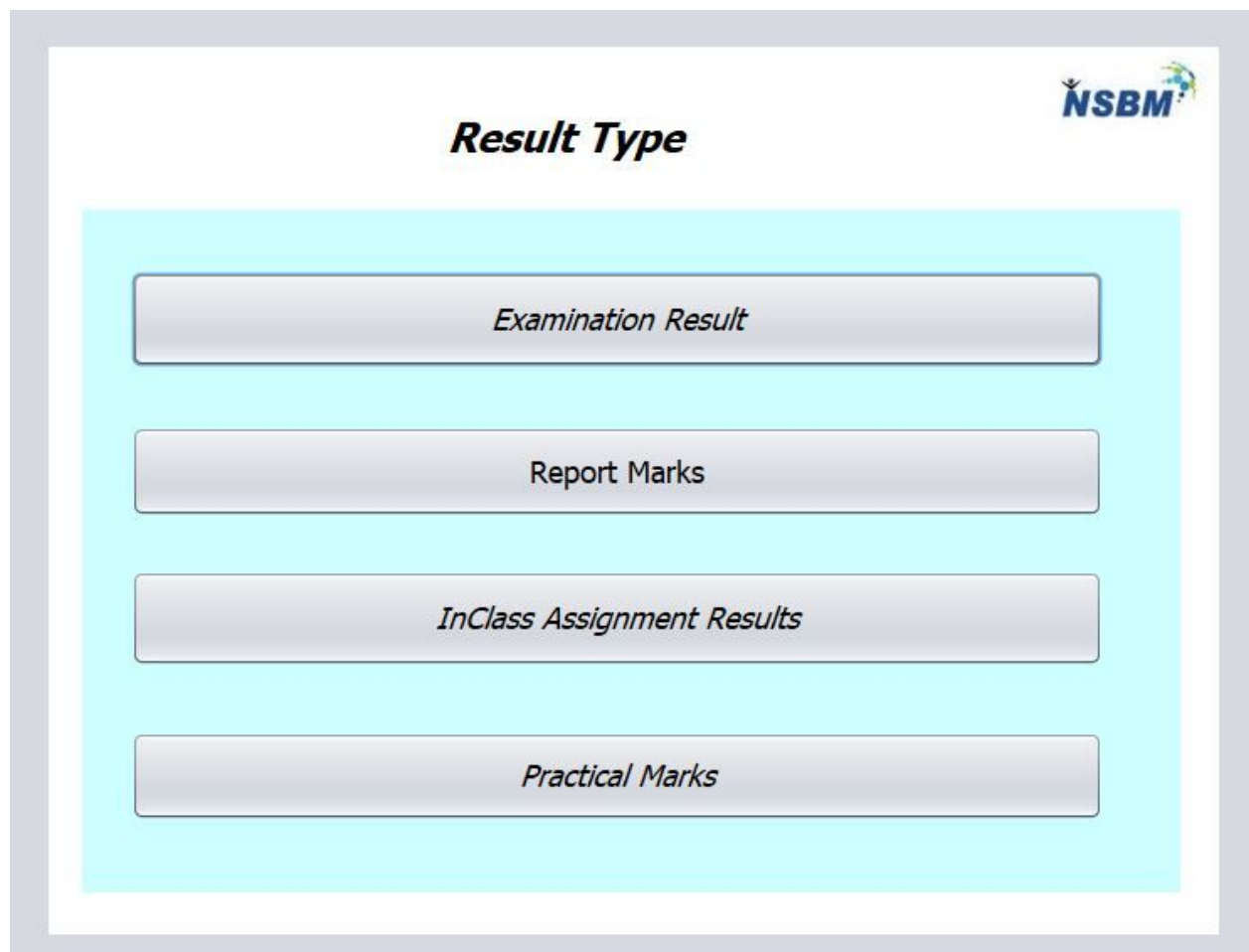
☐ *Second Year*                      ☐ *Second Semester*

☐ *Theard Year*

☐ *Forth Year*

*Add Result*                      *Viwe Result*

Now select the academic year and semester you want. If you want to add Results of the student ,click the 'add result ' button. After clicking that button, 'Result type' interface will come.



The screenshot shows a web interface for selecting a result type. At the top right is the NSBM logo. The title "Result Type" is centered at the top. Below it, on a light blue background, are four buttons: "Examination Result", "Report Marks", "InClass Assignment Results", and "Practical Marks".

**Result Type**

NSBM

*Examination Result*


Report Marks

*InClass Assignment Results*

*Practical Marks*

Then choose the result type .(I will select 'Examination Result' button).

## Examination Results



Reg No

Subject

scs1002

Mark

OK

Cancel

Regisation Nu...	Subject Code	Marks
scs60	scs1002	53
scs61	scs1000	85
scs61	scs1002	56
scs61	scs1003	80
scs61	scs1004	47

When loading the this interface , automatically load the subjects co comboBox .  
Then give the 'Register number' , select the subject , give the mark and click the 'OK'  
button.now new recode is shown in the table

If You want to see results of the student , click the 'show result' button.

***Well come to result center***



*Index Number* :


*Subject Code* :

*Search* *Show Result*

Registration Number	Subject Code	Exam Paper Mark
scs61	scs1002	56
scs60	scs1002	53

Show the all the result of particular subject .

If You want to see the results of the particular student, give the student id into the search box and search.




## Result Sheet

*Index Number :*     *scs61*

<i>Subject Code</i>	<i>Subject Name</i>	<i>Final Grade</i>
<i>scs1000</i>	<i>subject A</i>	<i>81</i>
<i>scs1001</i>	<i>subject B</i>	<i>83</i>
<i>scs1002</i>	<i>subject C</i>	<i>56</i>
<i>scs1003</i>	<i>subject D</i>	<i>80</i>

Suppose that,if you want to see assignment marks ,report marks, practical marks , examination marks and final marks separately .click the 'more details' button.



**More Results**

Reg Number : *scs61*

Subject :

**Show Result** **ok**

*Inclass Assignments : 12.0*

*Practicals : 54.0*

*Reports : 89.0*

*Overall Assignments : 52.0*

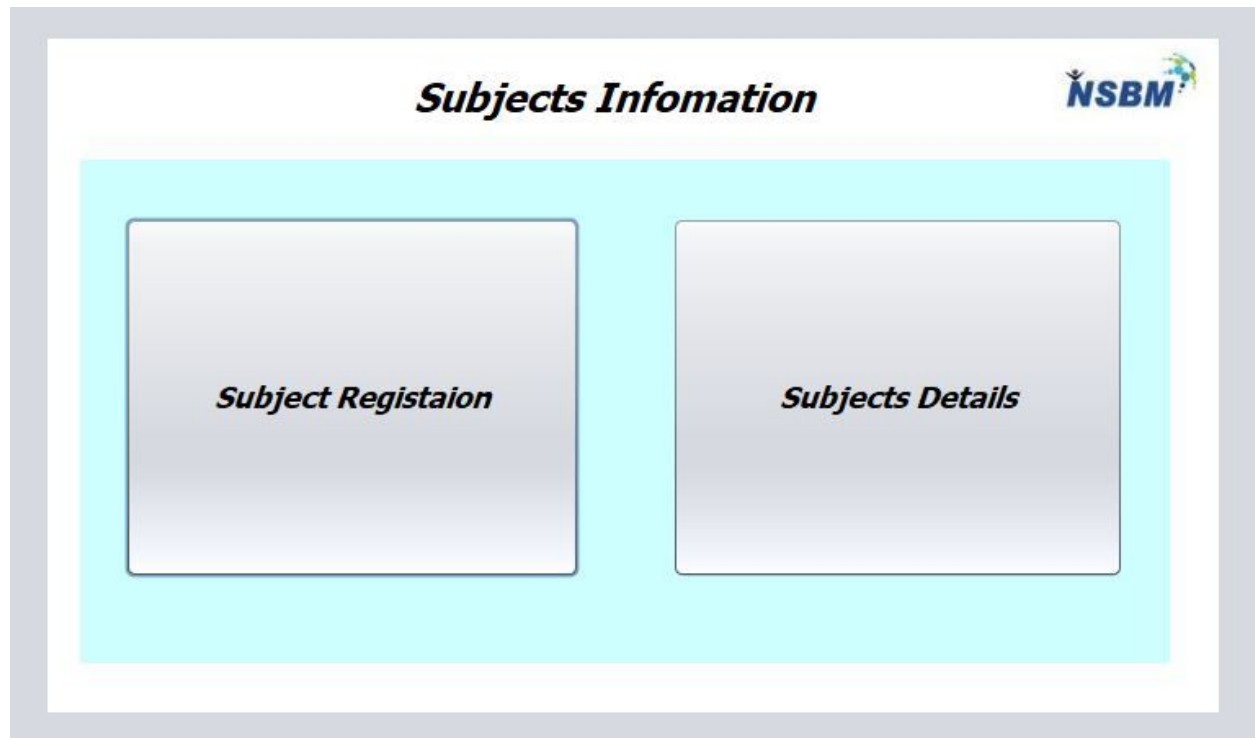
*Examination : 56.0*

*Final Result : 56*

Select the subject code and click the 'show result' button.


## ***Subject Interface***

Click the subject button.



If you want to register a subject , click the 'subject Registration' button. Then subject registration form will come.

**Subject Registration Form**



Subject Code :	<input type="text"/>
Subject Name :	<input type="text"/>
Faculty Name :	<input type="radio"/> Computing <input type="radio"/> Engineerng <input type="radio"/> Bussinus
Acadumic year :	<input type="radio"/> First Year <input type="radio"/> SecondYear <input type="radio"/> Therd Year
Semester :	<input type="radio"/> First Semester <input type="radio"/> Second Semester
Number Of Cridits :	<input type="radio"/> Two Cradits <input type="radio"/> Tree Cradits
Amount :	<input type="text"/>
Compulsary :	<input type="radio"/> Compulsary <input type="radio"/> Not Compulsary
Assignments Prasantage :	<input type="text"/>

Submit

Fill the form and register a subject.

If you want to see the information of a subject

Subject Informations NSBM

<p><i>Subject Code</i> : scs 1022</p> <p><i>Subject Name</i> : subject MM</p> <p><i>Faculty</i> : School Of Computing</p> <p><i>Accademic Year</i> : Third Year</p> <p><i>Semester No</i> : First Semester</p> <p><i>Number Of Credits</i> : Two Credits</p> <p><i>Amount</i> : 4000</p> <p><i>Compulsary Or Not</i> : Compulsary Subject</p> <p><i>Prasentage For Assignments</i> : 0%</p>	<p><i>Lectures</i></p> <div style="border: 1px solid #ccc; height: 80px; margin: 5px;"></div> <p><i>Instructors</i></p> <div style="border: 1px solid #ccc; height: 80px; margin: 5px;"></div> <p style="text-align: center; margin-top: 20px;"><b>OK</b></p>
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Lectures and instructors Registration Form


Registration Form NSBM

<p><i>Lecture ID</i> : <input style="width: 100%;" type="text"/></p> <p><i>Lecture Name</i> : <input style="width: 100%;" type="text"/></p> <p><i>Date Of Birth</i> : <input style="width: 100%;" type="text"/></p> <p><i>Age</i> : <input style="width: 100%;" type="text"/></p> <p><i>Gender</i> : <input type="radio"/> Male <input type="radio"/> Female</p> <p><i>E-mail</i> : <input style="width: 100%;" type="text"/></p> <p><i>Tel-Number</i> : <input style="width: 100%;" type="text"/></p> <p><i>Fax Number</i> : <input style="width: 100%;" type="text"/></p> <p><i>Room Id</i> : <input style="width: 100%;" type="text"/></p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; padding: 5px;">Subjects</th> <th style="text-align: left; padding: 5px;">Selected Subjects</th> </tr> <tr> <td style="vertical-align: top;"> <div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Add</b></p> </td> <td style="vertical-align: top;"> <div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Remove Selected Subject</b></p> </td> </tr> </table>	Subjects	Selected Subjects	<div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Add</b></p>	<div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Remove Selected Subject</b></p>
Subjects	Selected Subjects				
<div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Add</b></p>	<div style="border: 1px solid #ccc; height: 150px; margin: 5px;"></div> <p style="text-align: center; margin-top: 5px;"><b>Remove Selected Subject</b></p>				

Submit
cancel

Lectures information and instructors information from

### Lecture Informations



ID	Name	DOB	Age	Gender	E-maill	Tel Number	Fax Number	Room ID
com5	dr.nalin	1966-08-09	56	male	nlain@gma...	65132	9865	Woos2
eng5	lkjhg	3215-07-05	65	female	;lkjhg	897653	89654132	yttgjh
hjdk	hgjkl	1568-08-07	53	male	gfhjkd	895623	8965326	gfhj
iugsajoo;	oijpkgas[	1524-08-05	65	female	bdl	6845312	985	jakbsl

## Time table Interface

Timetable

Add Time Table

Time Slot :

Day : 

Monday

Subject Code : 

scs1002

Lecture ID : 

com5

Instructor ID : 

ins5

Location :

Submit

Show Time Table

Day : 

Monday

OK

Time Slot :

Show

Time Table

Subject Code :

Day :

Time Slot :

Lecture Name :

Instructor Name :

Location :

OK

