

References

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<<http://www.phpwebcommerce.com/>>

[4] *Selecting a Development approach*

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<http://www.usernomics.com/user-interface-design.html>

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[9]Implementation

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Appendix A-Sample for feasibility study report

Economic Feasibility Report- Cost Benefit Analysis

- **Capital Expenditure**

- Installation of New System would bear a cost.
- Can use existing hardware and replace/purchase as required.
- Development cost estimated around Rs. 50,000.
- New system installation cost estimated around Rs. 1,000,000.
- Budget is to be reviewed at the end of each stage.

- **Operational Cost**

- **Email – Rs.2500 Per Month**

- **Stationary –**

- **Computer Paper** – Rs.340 per bundle
80 column 5 bundles – COT Evaluation office printers per month.

80 column 2 bundles – Branches printers per month.

- **Cartridges**

Inkjet Printers

- One Color Cartridge – Rs. 2300
- One Balck Cartridge – Rs. 1300

Note: - For every one month.

- **Imation CDs**

20 CDs (700 Mb) per month – Rs.500

- **Benefits Analysis**

Automation of Activities:-

- Better Security - Restrict Unauthorized Access.

- Using passwords and User ids for all authorized users
- By using various encryption techniques etc.
- Time Saving – Rationalize Following Activities
 - Manual Work
 - Approval time – Director Approval
- Cut Cost
 - Stationary Overheads
 - Traveling Overheads
 - Storage Space

Technical Feasibility Report -

Following are the configurations required to implement this solution.

Server Hardware-  University of Moratuwa, Sri Lanka.
Support 5 computers www.lib.mrt.ac.lk
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Pentium IV 2.8 GHz Intel HT Processor

512 MB RAM (DDR)

120GB Hard Disk

128 MB VGA on board/ Additional

Intel Desktop Board (D865GBF)

17' SAMSUNG Sync Master 793s Monitor

Network Interface Card

CD ROM (52 X)

Power tree UPS (Centralized)

SAMSUNG keyboard

Back Up Device 120 Mb Super Disks

Cable CAT 6 - Enhanced

Operational Feasibility Report-

- User friendly environment- Can operate with a minimum computer literacy. Ideal for novice & experienced users.
- Maintenance Staff- Short training session required for them to maintain daily activities.
- Other Staff -They are already quite fluent with the technology used. Some training might be required to introduce new features. No requirement for downsizing or replacement
- Network Administrator- A new position/Role required to maintain network.



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Legal Feasibility Report www.lib.mrt.ac.lk

- They have to take some license for launching the system.
- They have some government policies to be followed.
- They have to pay taxes for the government.

Appendix B-Samples for interviews

Some Sample Interviewed Interview Sessions are given.

Interview Session	
Interviewee: Ms. Wasana De Silva	Date: 25.08.10
Venue : Office Premises	Time: 11.15A.M.
Designation: Registrar	
Question (1): If a student is registered can you view their details?	
Interview Notes (1): Yes, we keep a record of each person in a file.	
Question (2): What are the difficulties you have in maintaining these files?	
Interview Notes (2): It will take more time consuming, need catches a place to store the files, need a different person to maintain and secure, and also it costs a lot.	
Question (3): Do you get a large number of students for registration per academic year?	
Interview Notes (3): Yes.	
Question (4): How many courses a student can do at once?	
Interview Notes (4): Only one.	
Question (5): Approximately how many customers get registered in a year?	
Interview Notes (5): Normally around 2000.	
Question (6): Do you think this new system will highly comfort you?	

Interview Notes (6): Of Course, because our time consuming will be less so we can

Save our time for other important work.

Interview Session

Interviewee: Ms. Nilusha kanthi

Date: 25.08.10

Venue : Evaluation Office

Time: 12.00P.M.

Designation: Evaluation Officer



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Question (1): What are the various types of examinations conducted frequently?


Interview Notes (1): Normally zonal internal exams.

Question (2): How is a specific zonal exam conducted?

Interview Notes (2): The papers set by the COTs and distribute to the zonal technical colleges. After the exam relevant marks sheets are collected from the zonal technical colleges by the administrative COT. According to the marks, grades are generated and results releasing process is done.

Question (3): How is the grades calculation is done?

Interview Notes (3): Using the MS EXCEL package.
Question (4): Normally how do you confirm accuracy of the results?
Interview Notes (4): We do manual calculations with the calculator and checking with the MS EXCEL created grades.
Question (5): From which branches you'll get marks sheets for the internal exam results generations?
Notes (5): COT Galle,TC Balapitiya,TC Matara,TC Belliatta,TC Weerawila

 <p style="text-align: center;">Interview Session University of Moratuwa, Sri Lanka. Electronic Theses & Dissertations www.lib.mrt.ac.lk</p>	
Interviewee: Mr. Dishan Gamage	Date: 25.06.2007
Venue : COT Galle premises.	Time: 12.15 P.M.
Designation: Evaluation Officer at TC Balapitiya.	
Question (1): Normally what are the entries you do?	
Interview Notes (1): Sending students attendance sheets & Marks sheets.	
Question (2): Don't you get any difficulties?	
Interview Notes (2): Yes, Manual results sheets tracking are very difficult.	

Appendix C-Samples for completed questioners

Questionnaire

Name of the employee: Mr. P. Balasooriya

Job Title: Director(College of Technology Galle)

Key Activities: 1) Directing the students' activities as well as the staff activities in the college of technology Galle.

2) Managing the academic, non academic and the assistant staff.



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3) Coordinating the board evaluation activities.
4) Making frequent relationships with department of technical education and training.

5) Making frequent relationships with ministry of youth affairs.

Key focus areas: 1) Administration.

2) Making relationship with the external community.

Years that you've been working for this colleges: 20 Years.

Please answer the following questions accurately as possible. If any question/questions are not related, you may skip that particular question.

Q1) Brief description of the job?

The whole COT and other zonal technical colleges' internal evaluation activities directing by me.

Q2) The problems that you face currently?

- a. Difficulty providing necessary reports related to the administration.
- b. Difficult to get the overall day to day activities of the college instantly.

 **Q3) Do you think that the new computerized system will solve these problems?**

- Yes No

Q4) Do you have any prior experiences of working on a computerized Environment?

- Yes No

Q5) Do you think that you might get affected by the changes that made on The current system and will it be possible to work forward with the new system?

Yes

No

Q6) What are the new features that you'll expect from the computerized system?

To maintain all the records easy to be access quickly.



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Appendix D-Samples for documents sampling

**College of Technology
Entrance Application –Academic Year 2011/2012**

For Office use

1. Name of the College of Technology:.....
2. Name of the Course :.....
 a)(Day/Part Time) :.....
 b)Medium :..... Course ID:.....
3. Name with Initials :.....
4. Names Denoted by the Initials :.....
5. Permanent Address :.....
6. Contact No. :.....
7. National Identity Number :.....
8. District :.....GA division.....
 Electorate :.....
9. DOB :.....
 Age for the date 2011/01/01 :.....
10. Gender :.....
11. Educational Qualifications :.....
 a)G.C.E O/Ls (Not more than 2 attempts) :.....

Index No	Year	Subjects	Grade

b)G.C.E A/Ls(Within an attempt)

Index No	Year	Subjects	Grade

c) Number of attempts in G.C.E.A/Ls:.....

d)If not above qualifications available,passed higher grade:.....Year.....

12. Only for part time courses:

Only for jobs required courses

- a) Name of the Applicant :.....
- b) Designation :.....
- c) Date Appointed :.....
- d) Work place & Address :.....
- e) EPF No :.....
- f) ETF No :.....

Certification for above given details are true & correct.

- i. Name of the Employer:.....
- ii. Designation :.....Signature.....
- iii. Date :.....Seal.....

13. Applicants Statement:Above given details are true & correct.

Date:.....

Signature of the Applicant:.....

Course:.....

Medium:.....

Technical College Internal Examination-2010.....

College of Technology, Galle/Technical College Matara, Weeravila, Balapitiya, Belliatta

Application

Technical College:.....

1.Name with Initials in block capitals:-

Grid for name initials (20 columns)

Grid for name initials (20 columns)

2.Names represented by the initials:

Grid for names (20 columns)

Grid for names (20 columns)

3.Gender:.....

4.Student registration Number:.....

5.Private Address:.....

6.National Identity Number:.....

7.Telephone Number:.....

8.a)Course:.....

b)Full Time/Part Time/Day/Evening/1 Year/2 Years/3 Years

c)Subjects Applying for the Examination

Subject No	Subject	Percentage of Attendance	Lecturer's Sig
1.....
2.....
3.....
4.....
5.....
6.....
7.....

9. Only for Repeat Candidates

a) Number of previous attempts:.....

b) Year and month:.....

c) Repeating

Subjects:.....

.....
.....
.....
.....

According to my knowledge information given are true and correct.

Date:.....

Signature of the Applicant



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According to the percentage of attendance approval given / not given to sit for the examination.

Date:.....

.....

Signature of the class teacher

Date:.....

.....

Seal of HOD

Qualified for technical college internal examination. Approved/Not Approved.

.....

Director/Principal

Appendix E-Samples for Requirements Modeling Techniques

Figure 5.13: Use Case Diagram

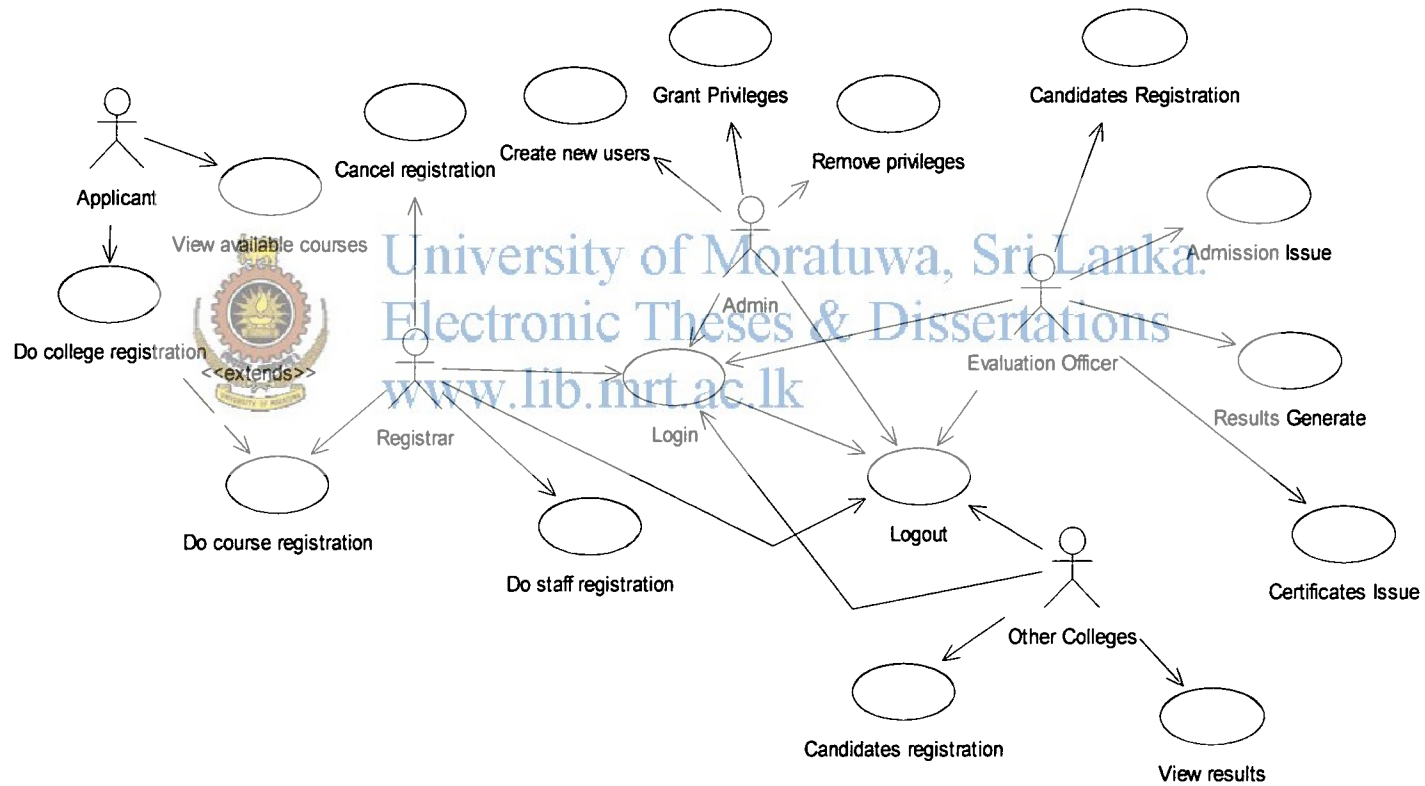


Figure 5.13: Use Case Diagram

Figure 5.14: Use case Specifications

Request the available courses: Use Case Specification

Brief Description: Request begins with online browsing the currently running courses in college.

Basic Flow:

1. Browsing the available list of courses.
2. Waiting for details loading.
3. If the required course available, search more details.
4. Then acknowledge & stop the process.
5. If not available acknowledge & stop the process.

Alternative Flow:

If in the basic flow the details specified the required course is not available, applicant will stop the process. But in the alternative flow he will be consult the CGC officer & stop the process.

Pre Condition: No special requirements.

Post Condition: No special requirements.



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Do college registration: Use Case Specification

Brief Description: After knowing the details about the courses applicants request to have college registration.

Basic Flow:

1. Clicking the applicants' registration link.
2. Filling the form.
3. Submitting the form.

Alternative Flow:

If in the basic flow the details specified couldn't submit, try at another time for registration.

Pre Condition: No special requirements.

Post Condition: No special requirements.

Do course registration: Use Case Specification

Brief Description:

After fulfilling the basic entry requirements and getting selected from the interview students can register for a particular course.

Basic Flow:

1. Registrar login to the system.
2. Opening the students registration form.
3. Type the student NIC & search the previous details.
4. If previously not followed a related course add for the new course.
5. Save the details.
6. Logout from the system & Stop the process.

Alternative Path

If previously followed a related course add the exempted subject details along with the new course details. Save the details and stop the process.

Pre condition: Student must have a NIC number.

Post Condition: After registration students must have a unique student ID.

Do staff registration: Use case specification.

Brief Description: New staff members are registered with providing their NIC number.

Basic Flow:

1. Registrar login to the system.
2. Using a search checking the previous status using NIC.
3. If already not registered add the new member details.
4. Logout from the system & stop the process.

Alternative Flow:

If already registered generate a report on previous details, logout from the system & stop the process.

Pre condition: Staff members must have a NIC number.

Post Condition: Registered member must have a unique staff ID.

Candidates registration for internal exams: Use case specification.

Brief Description: Candidates are registered using student number & NIC.

Basic Flow:

1. Evaluation officer login to the system.
2. Using the student number & NIC number checking the previous details. (Course registration date, the exempted subjects & the no of attempts.)
3. If not have exempted subjects, number of attempts less than 1 and the difference between course registration date & the exam registration date less than 1 year fill the normal registration details.
4. Submit the details & logout from the system.

Alternative Flow:

If exempted subjects are available, number of attempts more than 1 and the difference between course registration date & the exam registration date more than 1 years doing the exam registration with the special way Then submit and logout.

Pre condition: Students must have the NIC & the student ID.

Post Condition: Students must have a unique exam ID.

Generate Attendance schedule: Use case specification.

Brief Description: Attendance sheet generates using the student name, index no, gender and subjects requested.

Basic Flow:

1. Evaluation officer login to the system.
2. Selects the course, year & college name.
3. Display the schedule.
4. Print & logout from the system.

Alternative Path: None.

Pre Condition: System must have exam registration details.

Post Condition: None

Do marks enter: Use case specification.

Brief Description: Selected candidates marks can be entered by entering candidates exam ID.

Basic Flow:

1. Evaluation officer login to the system.
2. Enter exam ID and display the exam registered subjects.
3. Enter the respective marks.
4. Select submit.
5. Logout from the system.

Alternative Path:

If the exam registered subjects not displaying along with the exam ID try again.

Pre condition: candidates must have registered for the internal exams.

Post condition: System should generate grades according to the given marks and the conditions.

Certificates Issue: Use case specification

Brief Description: Selected candidates marks can be issued by giving the exam id.

Basic Flow:

1. Evaluation officer login to the system.
2. Enter the exam id.
3. Display the relevant subjects and the grades.
4. Enter the certificate format.
5. Print the certificate.
6. Logout from the system.

Alternative Flow

If repeat grades are there evaluation officer have to consider repeated results for the certificate.

Pre condition: Students must pass the examinations successfully to issue the certificate.

Post condition: None.

Grant Privileges: Use case specification.

Brief Description: System administrator grants the privileges for the other system users with some limitations.

Basic Flow:

1. Login to the system.
2. Grant privileges for the other system users according to their functions.
3. Remove the unnecessary privileges from the users.
4. Maintain and update the other display system functions.
5. Logout from the system.

Alternative Flow: None

Pre condition: System must have different types of user levels.

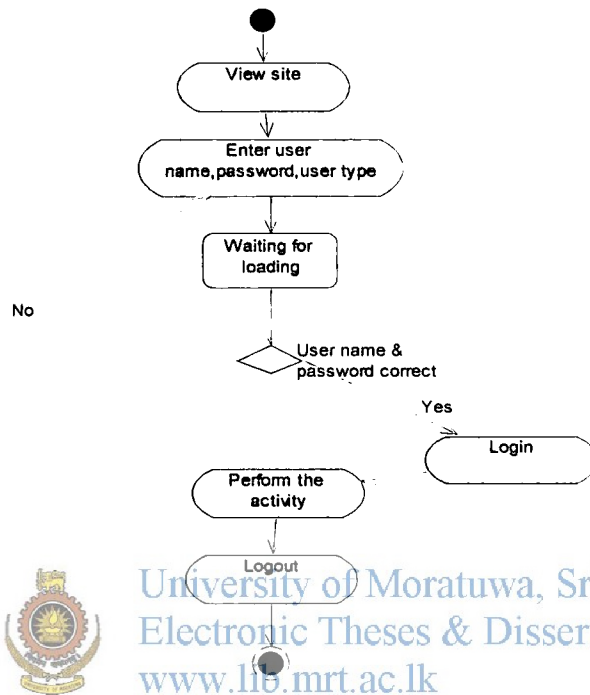
Post Condition: None.



Figure 5.14: Use case Specifications
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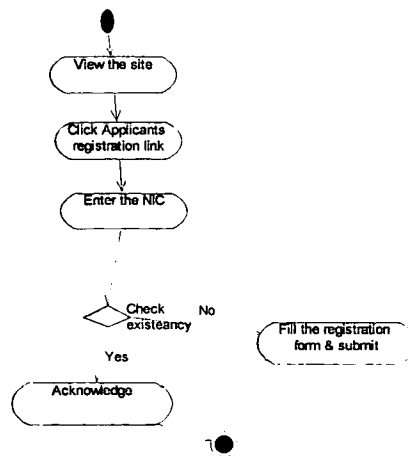
Figure 5.15: Activity Diagrams

Activity Diagram for login to the system

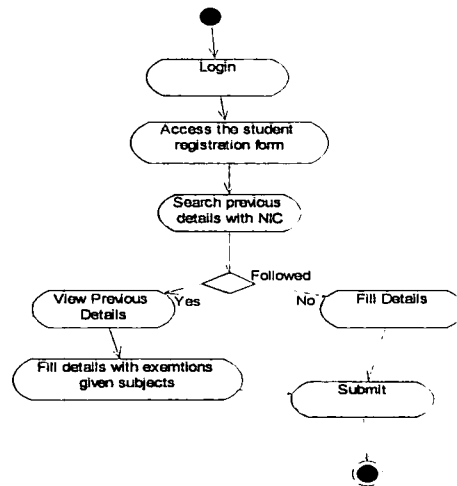


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Activity diagram for Applicant College Registration



Do course registration activity diagram



Internal exam registration activity diagram

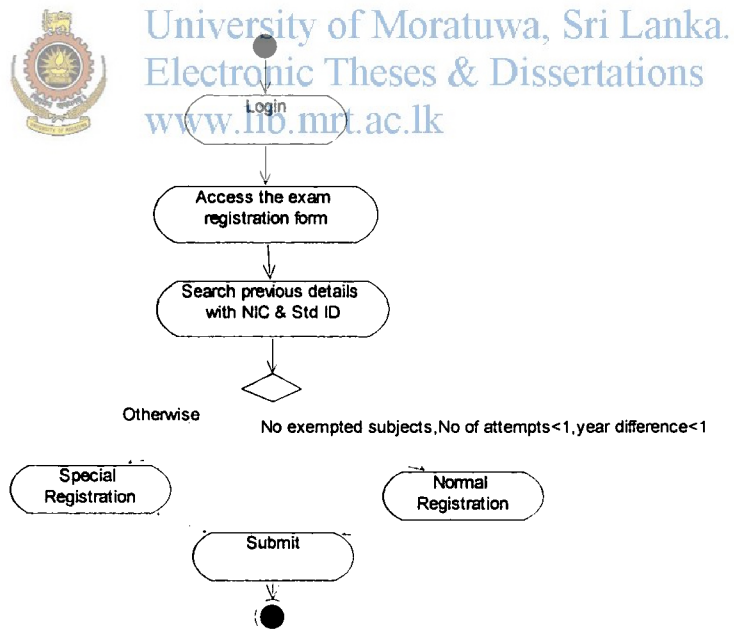


Figure 5.15: Activity Diagrams

Figure 5.16: Sequence Diagram

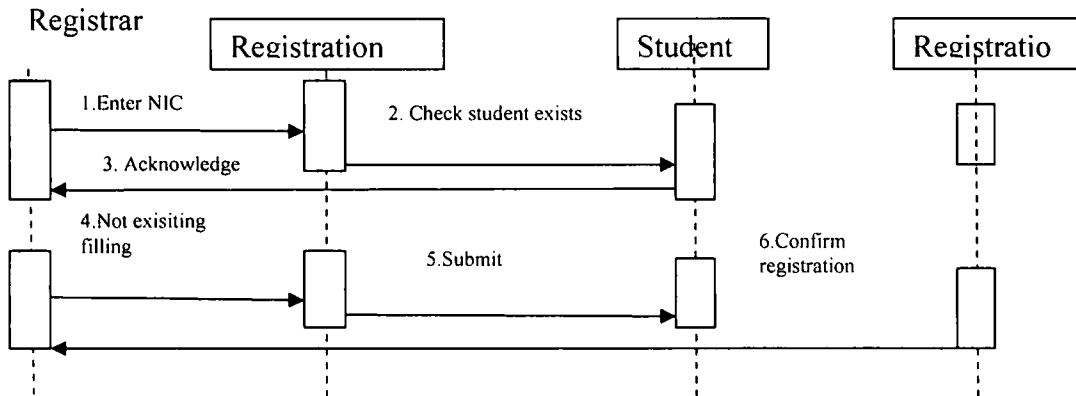


Figure 5.16: Sequence diagram for students course registration

Figure 5.17: Collaboration Diagram

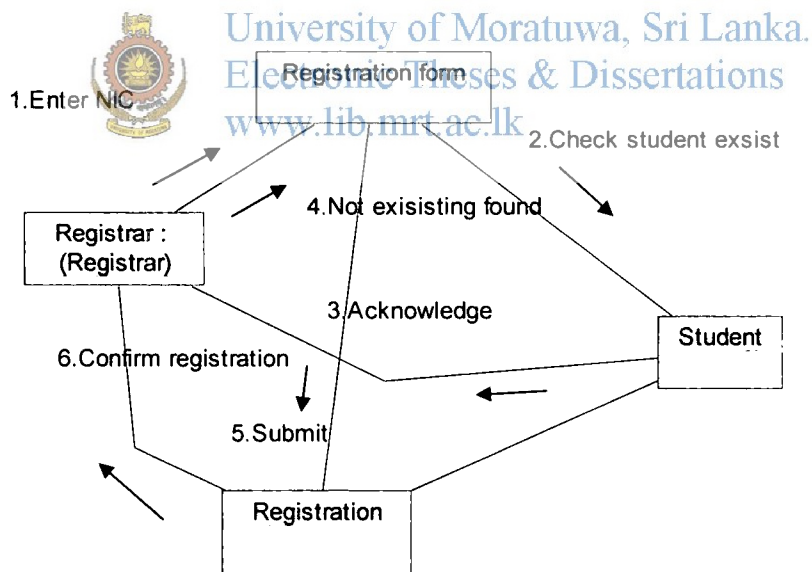


Figure 5.17: Collaboration Diagram for course registration

Figure5.18: Class Diagram

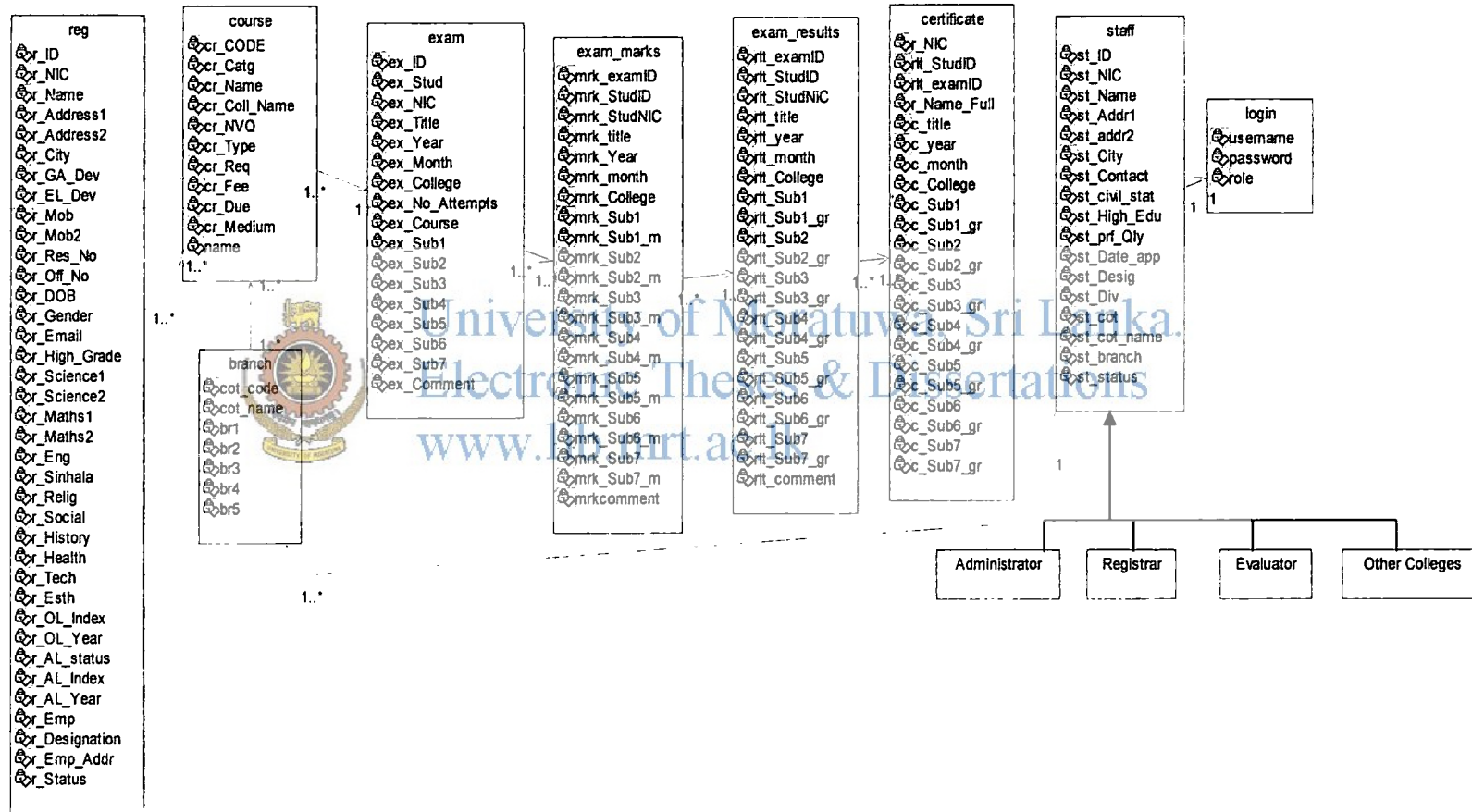
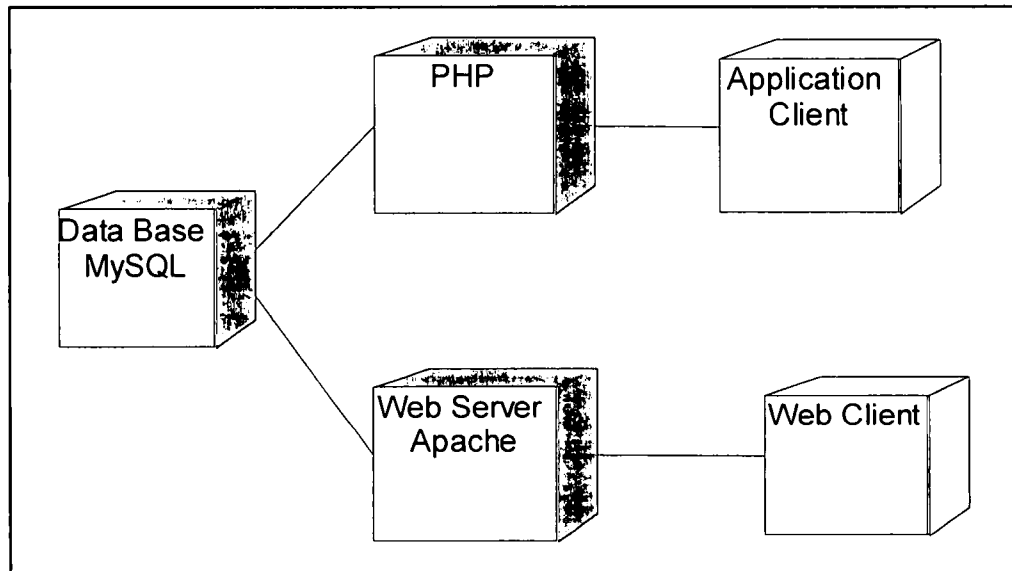


Figure5.18: Class Diagram

Figure 5.19: Deployment Diagram



Appendix F- Samples for Database Designs

Figure 5.28: Tables in the implemented database

Figure 5.28.1: Table relationship in the implemented database

Table	Action	Records ¹	Type	Collation	Size	Overhead
tbllogin		5	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_cot		11	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_course		4	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_exam		16	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_exam_marks		7	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_reg		16	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_reg_galle		12	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_reg_matara		13	InnoDB	latin1_swedish_ci	16.0 K1B	-
tbl_staff		6	InnoDB	latin1_swedish_ci	16.0 K1B	-
9 table(s)	Sum	90	InnoDB	latin1_swedish_ci	144.0 K1B	0 B

Figure 5.28.2: Created users in the login table

Already inserted users are available in the login table

username	password	role
adminCOT	admincot	Admin
evaluator	evalusto	Evaluator
galle	gtocuser	Galle_user
matara	mtacuser	Matara_user
registrar	registra	Registrar

Figure 5.28.3: Structure in the tbl_reg

Field	Type	Collation	Attributes	Null	Default	Extra	Action
r_ID	varchar(50)	latin1_swedish_ci		No	None		
r_NIC	varchar(50)	latin1_swedish_ci		No	None		
r_Name	varchar(100)	latin1_swedish_ci		No	None		
r_Name_Full	varchar(100)	latin1_swedish_ci		No	None		
r_Addrs1	varchar(250)	latin1_swedish_ci		No	None		
r_Addrs2	varchar(250)	latin1_swedish_ci		No	None		
r_City	varchar(100)	latin1_swedish_ci		No	None		
r_GA_Dev	varchar(100)	latin1_swedish_ci		No	None		
r_EL_Dev	varchar(100)	latin1_swedish_ci		No	None		
r_Mob	varchar(100)	latin1_swedish_ci		No	None		
r_Mob2	varchar(100)	latin1_swedish_ci		No	None		
r_Res_No	varchar(100)	latin1_swedish_ci		No	None		
r_Off_No	varchar(100)	latin1_swedish_ci		No	None		
r_DOB	varchar(100)	latin1_swedish_ci		No	None		
r_Gender	varchar(100)	latin1_swedish_ci		No	None		
r_Email	varchar(100)	latin1_swedish_ci		No	None		
r_High_Grade	varchar(100)	latin1_swedish_ci		No	None		
r_Scinco1	varchar(100)	latin1_swedish_ci		No	None		
r_Scinco2	varchar(100)	latin1_swedish_ci		No	None		
r_Math1	varchar(100)	latin1_swedish_ci		No	None		
r_Math2	varchar(100)	latin1_swedish_ci		No	None		
r_Eng	varchar(100)	latin1_swedish_ci		No	None		
r_Sinhala	varchar(100)	latin1_swedish_ci		No	None		
r_Relig	varchar(100)	latin1_swedish_ci		No	None		
r_Social	varchar(100)	latin1_swedish_ci		No	None		
r_Histry	varchar(100)	latin1_swedish_ci		No	None		
r_Health	varchar(100)	latin1_swedish_ci		No	None		
r_Tech	varchar(100)	latin1_swedish_ci		No	None		
r_Extra	varchar(100)	latin1_swedish_ci		No	None		
r_OL_Index	varchar(100)	latin1_swedish_ci		No	None		
r_OL_Year	varchar(100)	latin1_swedish_ci		No	None		
r_AL_status	varchar(100)	latin1_swedish_ci		No	None		
r_AL_Index	varchar(100)	latin1_swedish_ci		No	None		
r_AL_Year	varchar(100)	latin1_swedish_ci		No	None		
r_Emp	varchar(100)	latin1_swedish_ci		No	None		
r_Designotin	varchar(100)	latin1_swedish_ci		No	None		
r_Emp_Addr	varchar(100)	latin1_swedish_ci		No	None		
r_Status	int(11)			No	None		

Appendix G-Samples for Implemented Screens

Figure 5.29: Interfaces in Home page & Login Screens

Figure 5.29.1: Home Page

This acts as the main entry point. It welcomes the administrator and introduces the purpose of the site.



Figure 5.29.2: Administrator Login

The administrator will have to enter his username and password in the text boxes provided and click the "Login" button. If the entered username and password are correct, he will be directed to the user maintenance page.

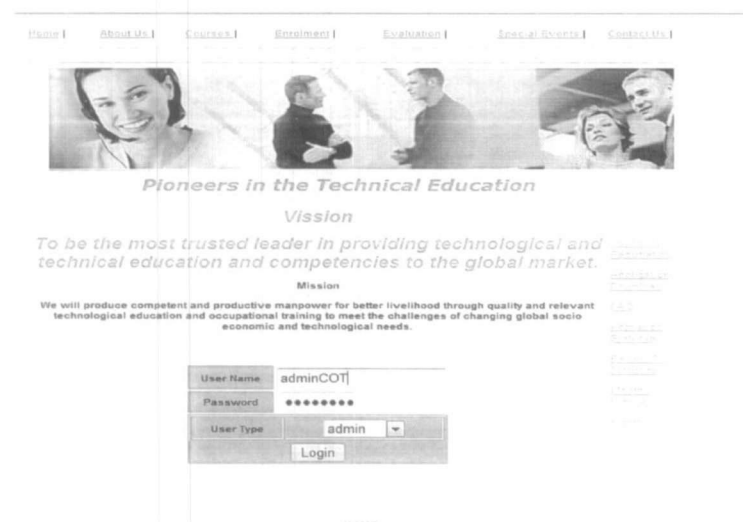


Figure 5.29.3: Registrar Login Page

The registrar will have to enter her username and passwords in the text boxes provided and click the “Login” button. If the entered username and password are correct, she will be directed to the “Home Page”, from where onwards, she will be able to handle student course registration activities.

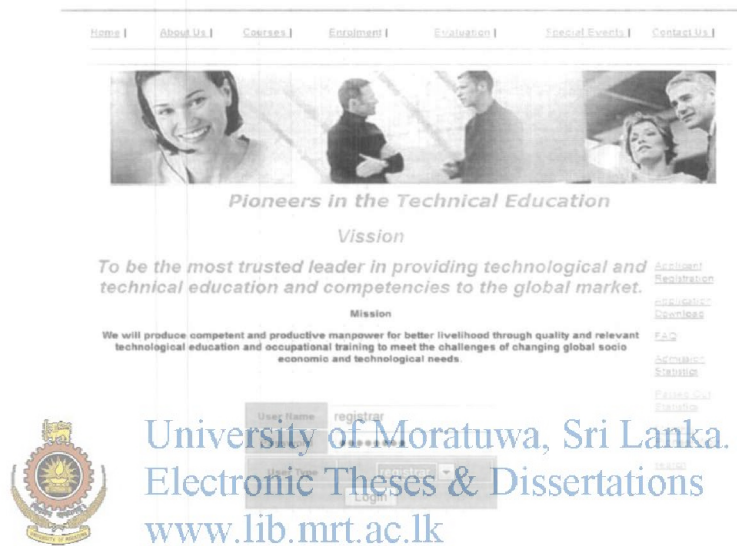


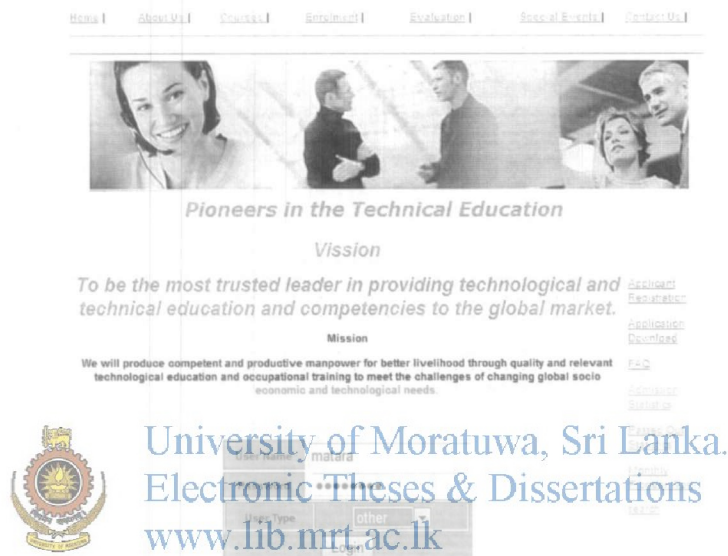
Figure 5.29.4: Evaluation Officer’s Login page

The evaluation officer will have to enter his username and passwords in the text boxes provided and click the “Login” button. If the details are correct, she will be directed to internal examination registration screens for other exam activities.



Figure 5.29.5: Other Colleges Login page

The other colleges responsible person will have to enter his username and password in the text boxes provided and click the “Login” button. If the entered username and password are correct, he will be authorized to register students of their own college.



The screenshot shows the top navigation bar with links: Home | About Us | Courses | Entrance | Evaluation | Social Events | Contact Us. Below is a banner image with the text "Pioneers in the Technical Education". The page content includes:

Vission
To be the most trusted leader in providing technological and technical education and competencies to the global market.

Mission
We will produce competent and productive manpower for better livelihood through quality and relevant technological education and occupational training to meet the challenges of changing global socio economic and technological needs.

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On the right side of the page, there are several vertical links: Academic Regulation, Application Download, FAQ, Admission, and Student.

Figure 5.30: Different outlooks of applicants, students and candidates registration

Figure 5.30.1: New Applicant College Registration Window

COTs applicants are facilitated to do online registrations while the other colleges applicants register with the support of authorized officer.

[Home](#) | [About Us](#) | [Courses](#) | [Enrolment](#) | [Evaluation](#) | [Special Events](#) | [Contact Us](#)



New Applicant Registration Form

PERSONAL DETAILS

NIC: v

Name With Initials:


Full Name:

Address Line I:

Address Line II:

City: v

v
 v


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ureshnadeen@gmail.com

Educational Qualifications

Exam Type	Subjects	Grade	Index No	Achieved Year
D/L Examination	Sat for O/L or Highest Grade	G.C.E.O/L v		
	Science I	C v		
	Science II	D v		
	Mathematics I	D v		
	Mathematics II	D v		
	English	D v		
	Sinhala	D v		
	Religious studies	D v		
	Social Studies	D v		
	History	D v		
	Health Science	C v		
	Technical Subject	D v		
	Esthetic Subjects	D v		

Name Of The Employer:

Designation:

Address:

[HOME](#) | [BACK](#)

Figure 5.30.2: Student Registration Confirmation

Already registered students registrations are confirmed with this screen.

NIC/NOF	Name	Address	GA Division	Electorate Division
878785432	ry		981 MASANAGODA	GALU KADAWATHSATHARA
778302366	L.U.L	34	981 MASANAGODA	GALU KADAWATHSATHARA
778302367	rr		981 MASANAGODA	GALU KADAWATHSATHARA
98			981 MASANAGODA	GALU KADAWATHSATHARA

Figure 5.30.3 Internal Exam Candidates Registration

Evaluation of the college responsible for CO1's candidates registrations & other colleges are responsible for their own candidates registrations.

Exam ID: EXM_007
 Student NO: 7777
 NIC: 778302366

Exam Title: Technical College Internal Year: 2010 Month: July
 College Name: Belliatla

Subject Name: Mathematics

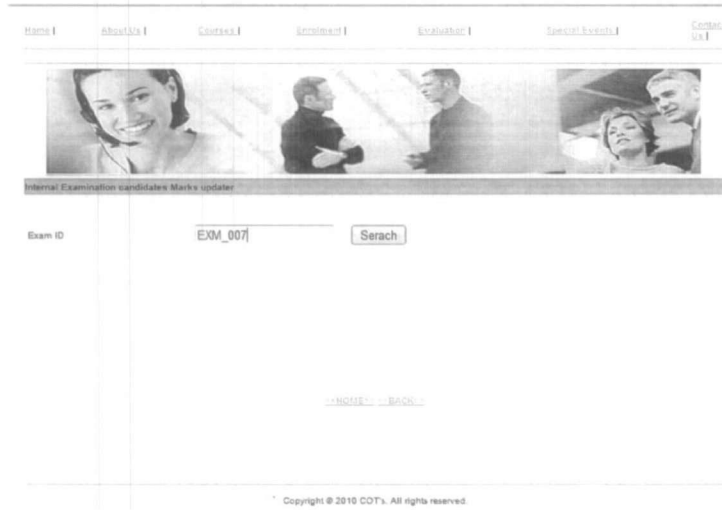
Construction Technology I
 Principles of QS
 Site Surveying
 Structures & Structural De
 Construction Contracts &

Comments

Figure 5.31: Results generation screens

Figure 5.31.1: Internal Exam Candidate Search

Search particular candidate for marks submission purpose.



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Internal Examination candidates Marks update

Exam ID: EXM_007 [Search]

--HOME-- --BACK--

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Figure 5.31.2: Internal Exam Marks Submission
Submission of marks for the subjects in the particular exam index number.



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Internal Examination candidates Registration Forum

Exam ID: EXM_007
Student NO: 7777
NIC: 778302365

Exam Title: Technical College Internal Year: 2010 Month: July
College Name: Belliatta

Subject Name	Mark
Mathematics	89
Construction Technology I	67
Principles of QS	34
Site Surveying	23
Structures & Structural Ds	12
Construction Contracts &	18

Comments: [Save]

Figure 5.31.3: Internal Exam Results Generation

Grades are generated according to the given marks of the particular candidate.

Exam ID	EXM_007
Student NO	7777
NIC	778302366
Exam Title	Technical College Internal Year: 2010 Month: July
College Name	Belliatta
Subject Name	
Mathematics	A
Construction Technology I	B
Principles of QS	F
Site Surveying	F
Structures & Structural Df	F
Construction Contracts &	F
Comments	

Figure 5.32: New Course Registration

Administrator or registrar will handle this activity.

Course Code	code1
Course Category	Engineering Technician
Course Name	National Certificate of Technology(QS I)
College name	Galle
NVQ Status	None
Course Type	Part Time
Entry Requirements	G.C.E.O/L
Course Fee	Rs2000
Course Duration	6 Months
Medium	Sinhala

Figure 5.32.2: New Branch Registration

Administrator or registrar is responsible for this activity.



New Branch Registration

COT Code	1
COT Name	Galle
Branch I	
Branch II	
Branch III	
Branch IV	Weerawila
Branch V	

Save



Figure 5.32.3: Staff Member Registration

Registrar is responsible for staff member registration activity.

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Staff NIC	758302365
Name	Nilusha Kanthi
Address Line I	65C,
Address Line II	Walahandoowa
City	Galle
Contact No	0718702403
Single/Married	Single
Highest Educational Qualification	G.C.E. O/L
Professional Qualifications	NCT
Date Appointed	2005/07/20
Designation	Training Assistant
Division	Evaluation
COT Code	1
COT Name	Galle
Branch	

Save

Figure 5.33: Search & display screens of the website.

Figure 5.33.1. Display Window

This displays all the necessary schedules such as interview schedule.

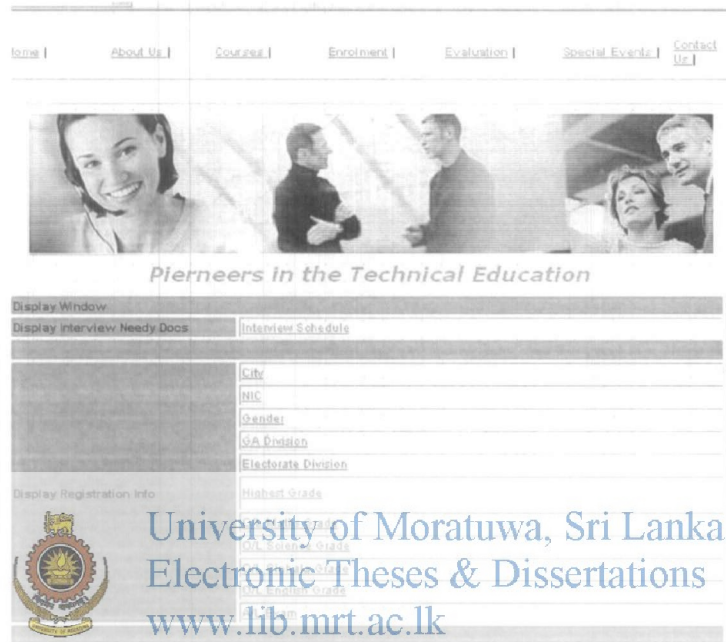



Figure 5.33.2: Interview Schedule

The screenshot shows a web interface with a navigation menu at the top: Home | About Us | Courses | Enrolment | Evaluation | Special Events | Contact Us. Below the menu is a banner image with the text "Pioneers in the Technical Education". The main content area is a table with the following data:

NIC	Name With Full Name Initials	Address Line I	Address Line II	City	Gender	E-mail	Highest Grade	G.C.E. O.L. Results	Science	Maths	English	Sinhala	A.L.G. Sat	C
904578907	Nishan Pradeepa	75, 2nd lane	Gastota	Galle	FEMALE	nishpradeep@gmail.com	GCE O/L							
917894567	Thushan Udayanga	34C,	Eptaramulla Rd	Balapitiya	FEMALE	thushin@gmail.com	GCE O/L							

Figure 5.33.3: Search main window

This displays all the necessary search criteria.



Pioneers in the Technical Education


Search Criteria	
Search Available Courses	College Name& Qualification
Search Candidates Personal Info	City
	NIC
	Gender
	GA Division
	Electorate Division
	Highest Grade
	Gr. Maths Grade
	Gr. Science Grade
Gr. Sinhala Grade	
Gr. English Grade	
A.O. Exam	
Search Registration Information	NIC
	Student No
Search Exam Registration Info	Exam ID
	College Name
	Course Name
	Result ID

Figure 5.33.4: Search University of Moratuwa, Sri Lanka.



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Search Exam Registration Info	<input type="text" value="904578907V"/>	<input type="button" value="Search"/>
-------------------------------	---	---------------------------------------


Figure 5.33.5: Search Internal exam registered details

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Exam Title	Year Month	College Name	No of Attempts	Course Name	Subject I	Subject II	Subject III	Subject IV	Subject V	Subject VI	Subject VII
Technical College Internal Examination	2010 July	046	1st	National Certificate of Technology (QC II)	Mathematics	Construction Technology I	Principles of QS	Site Surveying	Structure & Building Structural Detailing	Building Services II	Construction Contracts & Tender Procedures

Figure 5.33.6: Search with electorates division

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Search Electorate Division

GALU KADAWATHSATHARA

NIC	Full Name	Address 1
1	Dasuni Thathsara	78,c,Old matara Rd

Appendix H-Samples for Implemented Coding

Figure6.4.1. Login Coding

Figure6.4.1.1. Create new user coding

```
<? php
// login & Session example by side
// modified version
// auth.php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$current_time = date("h:i:s"); // added get current time stamp
//start session
session_start();
// convert username and password from _POST or _SESSION
if($_POST){
$_SESSION['username']=$_POST["username"];
$_SESSION['password']=$_POST["password"];
$_SESSION['select']=$_POST["select"];
$_SESSION['loginTime']=$current_time; // added
$_SESSION['lastActivity']=$current_time; // added
}
//This makes sure they did not leave any fields blank
if(!$_POST['username'] | !$_POST['password'] | !$_POST['select'] ) {
die('You did not complete all of the required fields');
}
// query for a user/pass match
```

```

$result=mysql_query("select * from tbllogin where username="" .
$_SESSION['username'] . "" and password="" . $_SESSION['password'] . """);
// retrieve number of rows resulted
// $staffnic=mysql_fetch_field($result,2);
$staffnicd=NULL;
$staffnic2=NULL;
$staffnicd=mysql_fetch_field($result,2);
$staffnic2 = (array)$result;
$num=mysql_num_rows($result);
$num;
// print login form and exit if failed.
if($num < 1){
echo "You are not authenticated. Please login.<br><br>
<form method=POST action=index.php>
username: <input type=text name=\"username\">
password: <input type=password name=\"password\">
<input type=submit>
</form>";
exit;
}
else{
/*if($_SESSION['select']=="admin"){
include("admingeneral.php");
}
elseif($_SESSION['select']=="registrar"){
include("Reggeneral.php");
}
elseif($_SESSION['select']=="evaluator") {
include("evgeneral.php");
}
elseif($_SESSION['select']=="other") {

```

```

        include("Reggeneral.php");
    }
    */
$result2=mysql_query("select * from tbllogin where username="" .
$_SESSION['username'].''");
while ($row = mysql_fetch_array($result2)) {
    $Role= $row['role'];
    if($Role=='Admin'){
        include("admingeneral.php");
    }
    elseif($Role=="Registrar"){
        include("Reggeneral.php");
    }
    elseif ($Role=="Evaluator") {
        include("evgeneral.php");
    }
    elseif ($Role=="Galle_user"){
        include("GalleAppreg.php");
    }
    elseif ($Role=="Matara_user") {
        include("matar_Reggeneral.php");
    }
}
}
?>

```



Figure 6.4.1.2: Delete unnecessary logins

```
<?php
// login & Session example by sde
// modified version
// auth.php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$current_time = date("h:i:s"); // added; get current timestamp
//start session
session_start();
// convert username and password from _POST or _SESSION
$nic=$_POST['NIC'];
for($i = 0; $i < sizeof($nic); $i++){
//echo "\$stripsChecked[$i]: ". $nic[$i]."<br>\n";
    $sql2="DELETE FROM tbllogin WHERE username='$nic[$i]'";
    $result2=mysql_query($sql2);
}
//include("Enrolment.php"); //added; contains timeout info
include("CreateUser.php");
?>
```



Figure 6.4.2: Registration Coding

Figure 6.4.2.1: New Applicant Registration Coding

```
<? php
//passing text field values to variables

$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$tbl_name= "tbl_reg";
$nic=$_POST['nic'];
$nin=$_POST['nin'];
$fname=$_POST['fname'];
$ad1=$_POST['ad1'];
$ad2=$_POST['ad2'];
$city=$_POST['city'];
$gad=$_POST['gad'];
$ed=$_POST['ed'];
$mob1=$_POST['mob1'];
$mob2=$_POST['mob2'];
$resno=$_POST['resno'];
$ofcno=$_POST['ofcno'];
$dob=$_POST['dob'];
$gen=$_POST['gen'];
$email=$_POST['email'];
$ol=$_POST['ol'];
$sc1=$_POST['sc1'];
```



```

$sc2=$_POST['sc2'];
$ma1=$_POST['ma1'];
$ma2=$_POST['ma2'];
$eng=$_POST['eng'];
$sng=$_POST['sng'];
$rsg=$_POST['rsg'];
$ssg=$_POST['ssg'];
$his=$_POST['his'];
$hscn=$_POST['hscn'];
$ts=$_POST['ts'];
$es=$_POST['es'];
$olind=$_POST['olind'];
$oldate=$_POST['oldate'];
$al=$_POST['al'];
$alind=$_POST['alind'];
$aldate=$_POST['aldate'];
$nemp=$_POST['nemp'];
$desig=$_POST['desig'];
$ofcad=$_POST['ofcad'];
$sql= "INSERT INTO $tbl_name(nic, nin, fname, ad1, ad2, city, gad,
ed,mob1,mob2,resno,ofcno,dob,gen,email,ol,sc1,sc2,ma1,ma2,eng,sng,rsg,ssg,his,hscn,ts,
es,olind,oldate,al,alind,aldate,nemp,desig,ofcad)VALUES('$nic', '$nin', '$fname', '$ad1',
'$ad2', '$city',
'$gad', '$ed', '$mob1', '$mob2', '$resno', '$ofcno', '$dob', '$gen', '$email', '$ol', '$sc1', '$sc2', '$ma1',
'$ma2', '$eng', '$sng', '$rsg', '$ssg', '$his', '$hscn', '$ts', '$es', '$olind', '$oldate', '$al', '$alind', '$aldate', '$nemp', '$desig', '$ofcad')";
$result=mysql_query($sql);
//echo "Registration form will load.Pls wait!"
include "Appreg.php";
?>

```



Figure 6.4.2.2: New Student Registration Coding

```
<?php
// login & Session example by sde
// modified version
// auth.php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$current_time = date("h:i:s"); // added; get current timestamp
//start session
session_start();
$sts="New";
$sql = "SELECT r_NIC,r_Name,r_Addrs1,r_GA_Dev,r_EL_Dev FROM tbl_reg
WHERE r_Status='New'";
$result = mysql_query($sql) or die("cannot select DB");
while($data=mysql_fetch_array($result)){
//$checked = ($admin==1) ? 'checked="checked"' : "";
echo '<tr><td width="120" height="10"><input type="checkbox" name="NIC[]"
value="'.$data['r_NIC'].'"/><td width="350"
height="10">'.$data['r_Name'].'</td><td width="350"
height="10">'.$data['r_Addrs1'].'</td><td width="350"
height="10">'.$data['r_GA_Dev'].'</td><td width="350"
height="10">'.$data['r_EL_Dev'].'</td></tr>'. "\n";
}
?>
```



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Figure6.4.3:Implemented Evaluation Coding

Figure6.4.3.1:Internal exam ID Auto generate code segment

```
<?php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
//passing text field values to variables
$genID=0;
$sql2= "SELECT * FROM tbl_exam ";
$rowcount= mysql_query($sql2);
$num_rows = mysql_num_rows($rowcount);
$num_rows2 = $num_rows+1;
$genID = "EXM_00".$num_rows2;
?>
```

Figure6.4.3.2:Internal candidate registration coding

```
<?php
//passing text field values to variables
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$tbl_name= "tbl_exam";
```

```

//$title=$_POST['title'];
$examid=$_POST['examid'];
$std_no=$_POST['std_no'];
$nic=$_POST['nic'];
$exam_tit=$_POST['exam_tit'];
$year=$_POST['year'];
$month=$_POST['month'];
$col_name=$_POST['col_name'];
$no_atempt=$_POST['no_atempt'];
$c_name=$_POST['c_name'];
$sub1=$_POST['sub1'];
$sub2=$_POST['sub2'];
$sub3=$_POST['sub3'];
$sub4=$_POST['sub4'];
$sub5=$_POST['sub5'];
$sub6=$_POST['sub6'];
$sub7=$_POST['sub7'];
$cmt=$_POST['cmt'];
//pasiing variable vaues to database
$sql= "INSERT INTO
$tbl_name(examid,std_no,nic,exam_tit,year,month,col_name,no_atempt,c_name,sub1,su
b2,sub3,sub4,sub5,sub6,sub7,cmt)
VALUES('$examid','$std_no','$nic','$exam_tit','$year','$month','$col_name','$no_atempt',
'$c_name','$sub1','$sub2','$sub3','$sub4','$sub5','$sub6','$sub7','$cmt')";
$result=mysql_query($sql);
echo $sql;
?>

```



Figure 6.4.3.3: Marks submission coding

```
<?php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$tbl_name= "tbl_result";
$rslt_id=$_POST['rslt_id'];
$nic=$_POST['nic'];
$examid=$_POST['examid'];
$mark1=$_POST['mark1'];
$mark2=$_POST['mark2'];
$mark3=$_POST['mark3'];
$mark4=$_POST['mark4'];
$mark5=$_POST['mark5'];
$mark6=$_POST['mark6'];
$mark7=$_POST['mark7'];
$preparedby=$_POST['preparedby'];
$evaluator=$_POST['evaluator'];
$hod=$_POST['hod'];
$p_d=$_POST['p_d'];
$invigi=$_POST['invigi'];
//passing variable values to database
$sql= "INSERT INTO
$tbl_name(rslt_id,nic,examid,mark1,mark2,mark3,mark4,mark5,mark6,mark7,preparedb
y,evaluator,hod,p_d,invigi)VALUES('$rslt_id','$nic','$examid','$mark1','$mark2','$mark3'
,$mark4','$mark5','$mark6','$mark7','$preparedby','$evaluator','$hod','$p_d','$invigi)";
$result=mysql_query($sql);
?>
```



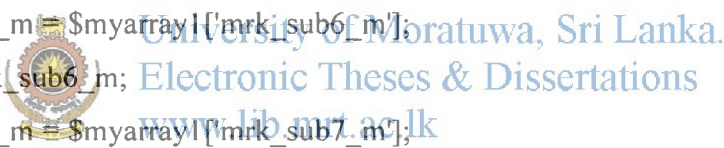
Figure 6.4.3.4: Results generate coding

```
<?php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$examid=$_POST['exmlD'];
//passing text field values to variables
$genID=0;
$sql2= "SELECT * FROM tbl_exam WHERE ex_ID='".$examid.'";
$result= mysql_query($sql2);
$myarray=mysql_fetch_array($result);
$ExamID= $myarray['ex_ID'];
$StudentID = $myarray['ex_StudentID'];
$ex_NIC = $myarray['ex_NIC'];
$ex_Title = $myarray['ex_Title'];
$ex_Year = $myarray['ex_Year'];
$ex_Month = $myarray['ex_Month'];
$ex_College = $myarray['ex_College'];
$ex_Sub1=$myarray['ex_Sub1'];
$ex_Sub2=$myarray['ex_Sub2'];
$ex_Sub3=$myarray['ex_Sub3'];
$ex_Sub4=$myarray['ex_Sub4'];
$ex_Sub5=$myarray['ex_Sub5'];
$ex_Sub6=$myarray['ex_Sub6'];
$ex_Sub7=$myarray['ex_Sub7'];
//$examid=$_POST['exmlD'];
//passing text field values to variables
$genID=0;
```

```

$sql3= "SELECT * FROM tbl_exam_marks WHERE mrk_examID='".$Sexamid.'";
$result2= mysql_query($sql3);
$myarray1=mysql_fetch_array($result2);
//echo $myarray1;
$mrk_sub1_m = $myarray1['mrk_sub1_m'];
//echo $mrk_sub1_m;
$mrk_sub2_m = $myarray1['mrk_sub2_m'];
//echo $mrk_sub2_m;
$mrk_sub3_m = $myarray1['mrk_sub3_m'];
//echo $mrk_sub3_m;
$mrk_sub4_m = $myarray1['mrk_sub4_m'];
//echo $mrk_sub4_m;
$mrk_sub5_m = $myarray1['mrk_sub5_m'];
//echo $mrk_sub5_m;
$mrk_sub6_m = $myarray1['mrk_sub6_m'];
//echo $mrk_sub6_m;
$mrk_sub7_m = $myarray1['mrk_sub7_m'];
//echo $mrk_sub7_m;
if($mrk_sub1_m >= 75){
    $ex_Sub12='A';
} elseif($mrk_sub1_m >= 65){
    $ex_Sub12='B';
} elseif($mrk_sub1_m >= 55){
    $ex_Sub12='C';
} elseif($mrk_sub1_m <= 45){
    $ex_Sub12='F';
}
}
if($mrk_sub2_m <= 45){
    $ex_Sub22='F';
} elseif($mrk_sub2_m <= 55){
    $ex_Sub22='C';
}

```



```
}elseif($mrk_sub2_m<=65){  
    $sex_Sub22='B';  
    }elseif($mrk_sub2_m<=75){  
        $sex_Sub22='A';  
    }  
}
```

```
if($mrk_sub3_m<=45){  
    $sex_Sub32='F';  
}elseif($mrk_sub3_m<=55){  
    $sex_Sub32='C';  
}elseif($mrk_sub3_m<=65){  
    $sex_Sub32='B';  
}elseif($mrk_sub3_m<=75){  
    $sex_Sub32='A';  
}
```

```
if($mrk_sub4_m<=45){  
    $sex_Sub42='F';  
}elseif($mrk_sub4_m<=55){  
    $sex_Sub42='C';  
}elseif($mrk_sub4_m<=65){  
    $sex_Sub42='B';  
}elseif($mrk_sub4_m<=75){  
    $sex_Sub42='A';  
}
```

```
if($mrk_sub5_m<=45){  
    $sex_Sub52='F';  
}elseif($mrk_sub5_m<=55){  
    $sex_Sub52='C';  
}elseif($mrk_sub5_m<=65){  
    $sex_Sub52='B';  
}elseif($mrk_sub5_m<=75){
```

```

        Sex_Sub52='A';
    }
    if($mrk_sub6_m<=45){
        Sex_Sub62='F';
    }elseif($mrk_sub6_m<=55){
Sex_Sub62='C';
    }elseif($mrk_sub6_m<=65){
        Sex_Sub62='B';
    }elseif($mrk_sub6_m<=75){
        Sex_Sub62='A';
    }
    if($mrk_sub7_m<=45){
        Sex_Sub72='F';
    }elseif($mrk_sub7_m<=55){
Sex_Sub72='C';
    }elseif($mrk_sub7_m<=65){
        Sex_Sub72='B';
    }elseif($mrk_sub7_m<=75){
        Sex_Sub72='A';
    }
?>

```



Figure 6.4.4: Other Registrations

Figure 6.4.4.1: New branch registration code segment

```
<?php
//passing text field values to variables
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$tbl_name= "tbl_branch";

$scot_code=$_POST['cot_code'];
$scot_name=$_POST['cot_name'];
$br1=$_POST['br1'];
$br2=$_POST['br2'];
$br3=$_POST['br3'];
$br4=$_POST['br4'];
$br5=$_POST['br5'];

//passing variable values to database
$sql= "INSERT INTO
$tbl_name(cot_code,cot_name,br1,br2,br3,br4,br5)VALUES('$scot_code','$scot_name','$br1','$br2','$br3','$br4','$br5')";
$result=mysql_query($sql);
//echo $sql;
?>
```



Figure 6.4.4.2: New course registration code segment

```
<?php
//passing text field values to variables

$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$tbl_name= "tbl_course";
$c_code=$_POST['c_code'];
$c_category=$_POST['c_category'];
$c_name=$_POST['c_name'];
$col_name=$_POST['col_name'];
$nvqstatus=$_POST['nvqstatus'];
$ent_name=$_POST['ent_name'];
$c_type=$_POST['c_type'];
$c_fee=$_POST['c_fee'];
$c_dura=$_POST['c_dura'];
$c_medi=$_POST['c_medi'];
//passing variable values to database
$sql= "INSERT INTO
$tbl_name(c_code,c_category,c_name,col_name,nvqstatus,ent_name,c_type,c_fee,c_dura
,c_medi)VALUES('$c_code','$c_category','$c_name','$col_name','$nvqstatus','$ent_name
','$c_type','$c_fee','$c_dura','$c_medi)";
$result=mysql_query($sql);
echo $sql;
?>
```

Figure 6.5: Implemented Search & Display Functionalities

Figure 6.5.1: Search elecrrate division coding

```
<?php
$ded=$_POST['search']; // transferring text data variable
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$result = mysql_query("SELECT * FROM tbl_reg where ed='$ded'");
echo "<table>
<tr >
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>NIC</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Full Name</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Address 1</th>
</tr>";
while($row = mysql_fetch_array($result)) {
if($ded==$row['ed'])
echo "<tr>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['nic'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['fname'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['ad1'] . "</td>";
echo "</tr>";
if () mysql_query("SELECT * FROM tbl_reg where city='$dcity'");
mysql_fetch_array($result123))
else
echo "Your Searching result is not there";
}
echo "</table>";
?>
```

Figure 6.5.2. Display course information code segment

```
<?php
$dc_name=$_POST['search']; // transferring text data variable
$ent_name=$_POST['search2'];
//$dc_category=$_POST['search2'];
//echo $dc_name;
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
//echo "Fine";
$result = mysql_query("SELECT * FROM tbl_course where col_name='$dc_name'");
$result2=mysql_query("SELECT * FROM tbl_course where ent_name='$ent_name'");

//$result2=mysql_query("SELECT * FROM tbl_course where
c_category='$dc_category'");

//$row = mysql_fetch_array($result);
echo "<table>
<tr >
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Course Name</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Full Name</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>GA Division</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Address 1</th>
</tr>";
while($row = mysql_fetch_array($result))
```



```

{
if($dcol_name==$row['col_name'])
{
    echo "<tr>";
"</td>";
"</td>";
// echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['fname'] . "</td>";
//echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['gad'] . "</td>";
//echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['ad1'] . "</td>";
echo "</tr>";
if($dent_name==$row['ent_name'])
{
echo "<tr>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['c_name'] . "</td>";
}
}
else
    echo "Your Searching result is not there";
}
echo "</table>";
?>

```



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Figure 6.5.3. Search exam registered information code segment

```

<?php
$dexamid=$_POST['search']; // transferring text data variable
//echo $dcity;
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

```

```

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
//echo "Fine";
$result = mysql_query("SELECT * FROM tbl_exam where examid='$dexamid'");
//$row = mysql_fetch_array($result);
echo "<table>
<tr >
//<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Exam Title</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Year</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Month</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>College Name</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>No of Attempts</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Course Name</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject I</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject II</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject III</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject IV</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject V</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject VI</th>
<th style='BORDER-BOTTOM:#030 1PX SOLID;'>Subject VII</th>
</tr>";
while($row = mysql_fetch_array($result))
{
if($dexamid==$row['examid'])
{
echo "<tr>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['exam_tit'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['year'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['month'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'>" . $row['col_name'] .
"</td>";

```

```

echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['no_atempt'] .
"</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['c_name'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub1'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub2'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub3'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub4'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub5'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub6'] . "</td>";
echo "<td style='BORDER-BOTTOM:#030 1PX SOLID;'" . $row['sub7'] . "</td>";
echo "</tr>";
}
else
    echo "Your Searching result is not there";
}
echo "</table>";
?>

```



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Figure 6.5.4: Connection code segment

```

<?php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name

mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
echo "Fine";

//include "appphp.php";
?>

```

Figure 6.5.5.1: View staff details code segment

```
<?php
// login & Session example by side
// modified version
// auth.php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$current_time = date("h:i:s"); // added; get current timestamp
//start session
session_start();
$ssts="New";
$sql = "SELECT st_ID,st_Name,st_Addr1,st_Desig,st_Div FROM tbl_staff ";
$result = mysql_query($sql) or die("cannot select DB");
while($data=mysql_fetch_array($result)){
//$checked = ($admin==1) ? 'checked="checked"' : "";
echo '<tr><td width="120" height="10"><input type="checkbox" name="NIC[]"
value="'. $data['st_ID']. '"/></td><td width="350"
height="10">'. $data['st_Name']. '</td><td width="350"
height="10">'. $data['st_Addr1']. '</td><td width="350"
height="10">'. $data['st_Desig']. '</td><td width="350"
height="10">'. $data['st_Div']. '</td></tr>'. "\n";
}
?>
```

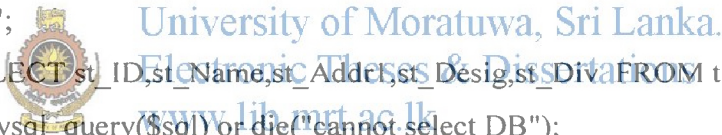


Figure 6.5.5.2: View students details code segment

```
<?php
// login & Session example by sde
// modified version
// auth.php
$host="localhost"; // Host name
$username="root"; // Mysql username
$password=""; // Mysql password
$db_name="newdb"; // Database name
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$current_time = date("h:i:s"); // added; get current timestamp
//start session
session_start();
$ssts="New";
$sql = "SELECT r_ID, r_Name, r_Addrs1, r_GA_Dev, r_EL_Dev FROM tbl_cot WHERE
r_Status=0";
$result = mysql_query($sql) or die("cannot select DB");
while($data=mysql_fetch_array($result)){
//$checked = ($admin==1) ? 'checked="checked"' : "";
echo '<tr><td width="120" height="10"><input type="checkbox" name="NIC[]"
value="'. $data['r_ID']. '"/input>'. $data['r_ID']. '</td><td width="350"
height="10">'. $data['r_Name']. '</td><td width="350"
height="10">'. $data['r_Addrs1']. '</td><td width="350"
height="10">'. $data['r_GA_Dev']. '</td><td width="350"
height="10">'. $data['r_EL_Dev']. '</td></tr>'. "\n";
}
?>
```



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