

# TRƯỜNG ĐẠI HỌC FPT LẬP TRÌNH VIÊN QUỐC TẾ FPT-APTECH



Centre Name: ACE-HCMC-2-FPT (VN.033)

Address: 590 Cách Mang Tháng 8 Street, District 3, Ho Chi Minh City, Viet Nam



# ITM COLLEGE MANAGEMENT

# **Design Document**

Faculty: Mr. Tran Phuoc Sinh

Batch No: F2-10-1203-T0

Group No: 02

Student Full Name Roll No.

1.	NGUYEN VU HUNG	STUDENT636555
2.	TRAN VAN HAI	STUDENT630717
3.	LE NGOC NHUT	STUDENT636217
4.	TRAN DUNG TRI	STUDENT682906

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# This is to certify that

Mr	Nguyen Vu Hung
Mr	Le Ngoc Nhut
Mr	Tran Dung Tri
Mr	Tran Van Hai

# have successfully designed and developed

ITM College Management

Submitted by:

Mr. Tran Phuoc Sinh

**Date of Issue:** 14/05/2013

Authorized Signature:





# REVIEWI

# I. Acknowledgment

We would like to acknowledge all those who have given support and help us make the project a success.

We wish to express our deep gratitude to all teachers who have been devoting their lives to teach us how to stand-alone and walk ahead.

We are grateful to our families who take care and encourage us even though we are successful or failed, also to our friends who are always care of us. They never leave us alone and always look forward to us when we are on any road of the life.

We are much thankful to the entire staff and chairpersons at the Head Office of Aptech Worldwide, Aptech – Vietnam, and FPT – Aptech Center who have been organizing and looking after our studying course.

There are no words to show our appreciation for teachers of FPT Aptech Centre who have been organizing and looking after us during our studying course to finish this project. Our special thanks not only Mr Tran Phuoc Sinh who works day by day to teach and guide us in our travel to discover the wonder of Java Programming Language but also mentors in e-Project Team at the Head Office who instruct and help us.

Finally, we would like to offer many thanks to all our schoolfellows for their valuable suggestions.

We would like to thank sincerely!

Group 2 – FPT Aptech.

# **II. Problem Definition**

### 1. Introduction

As of today world all the manual paper work like accounting, maintaining records are computerized. Even the college and school admission, result declaration is performed online today. Due to which all the school and colleges felt the need of making the website of their organization. The main purpose of making website is to attract the masses and advertisement of the school, colleges, and their achievements to the people leaving in any area (near or remote). The ITM College wants the website of the college to be developed and they have approached you for the same.

### 2. Existing Scenario

**HOME PAGE**: Here there should be an introduction of the college with hyperlink at the top (for navigation) and various sections to highlight the important features of the college. There should be separate section for the Admin Login (where the details of website can be modified and updated).

**COURSES**: Here the details of all the courses must be stated which are available in the college.

**ADMISSION**: Here there will admission form for the students. All the admission form related to the particular subject must be there. Students can download the form or can also fill the form online and submit. Once the online form is submitted, then the student will get a unique registration number and this number must be used to check the admission status. If the student status is accepted then they can proceed the online submission by clicking proceed button or link and complete the further details like selection of subjects.

**DEPARTMENTS**: Here the details of the entire department must be added (like chemistry, French, Economics, Psychology, Geology and Mathematics).

**FACULTY**: Here it should state the details of the entire faculty (should be categorized according to their departments).

**FACILITIES**: Like what all Facilities are provided in the college such as college canteen, hostel, placement center, gymkhana, college library, administrator office)

**STUDENT REGISTRATION**: here the student can register themselves with the help of their ID (unique) so that they can get the updates of their colleges, assignments, exam

timetable. If the same student tries to register again with the same ID then an error message must be thrown.

**CONTACT US**: It should state the contact details of the college (must cover all the branches).

FEEDBACK FORM: Here the feedback is taken from the end user.

**ADMIN LOGIN**: There should be separate section for login. The admin person will be able to update the data of the website.

A sample format of link is shown below:



# **III. Requirement Specification**

### 1. Customer Requirement Specification:

The College had provided all the content details they want to add in the website. The details of the information and what link the Home page must contain? Name of the links required in the website for navigation. There should be section in the Home Page for Upcoming events in the college, Achievements, New course, Merit list. The Link like HOME, COURSES, STUDENT REGISTRATION, DEPARTMENTS, FACULTY, FACILITIES, ONLINE ADMISSION, CONTACT US, FEEDBACK, ADMIN LOGIN.

### **Admission Procedure**

- The Admin will have the responsibilities of checking which student is eligible for the admission.
- When an Online admission form is filling by the student they will provide all the details of the previous education. In the first level of form filling the student is supposed to provide personal details like:
  - Name
  - Father Name
  - Mother Name
  - Date of Birth( as per the certificate)
  - Gender
  - Residential Address
  - Permanent Address
  - Admission for ( selecting a stream, field)
  - In tabular format ( details of previous exam)
    - University
    - Enrolment number
    - Center
    - Stream
    - Field
    - Marks secured
    - Out of
    - Class Obtained
  - Sports details (if any)
  - Submit (for submitting the details)
    - Once the candidate click on the submit button a Unique number must be provided to them.
  - With the help of the Unique ID they can check the status of the admission like whether waiting, accepted.

- Once the status is confirmed, they can provide further details like specialized subject, optional subject and finally can print the form for seeking admission in the college.

## 2. Functional Requirements Specification

### 2.1. Administrator

Administrator will have ability of managing (include create new / edit / delete):

- Departments
- Faculty
- Facilities
- Courses
- Contact and Feedback information
- College's Officers
- Online Admission

### 2.2. College Officer

College Officer will have ability of managing (include create new / edit / delete):

- Student registration
- Exam time table
- Assignments
- Merit list
- College's News
- College's Upcoming Events

### 2.3. Student

Students will have ability of viewing The College information:

- Upcoming events in the college
- Achievements
- New course
- Merit list
- Assignments
- Exam time table

# 3. Hardware / Software Requirements

# 3.1. Hardware Requirements

Component	Requirement
Server	Processor type: Pentium III-compatible processor or faster Processor speed: Recommended: 2.0 GHz or faster
OS	Microsoft Windows Server 2003 or higher
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 2.048 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 50 MB Recommended: 50 GB or more Maximum: Operating system maximum

# 3.2. Software Requirements

Component	Requirement
Microsoft .NET Framework	Version 4.0
Microsoft Visual Studio	Microsoft Visual Studio 2010
RDBMS	Microsoft SQL Server 2008
Design Tool	Adobe Photoshop CS3
Editor	Adobe Dreamweaver CS3
Source Version Control	TortoiseSVN 1.7

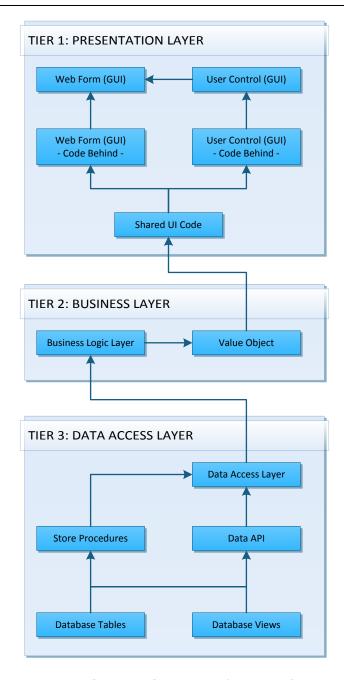
# IV. Task sheet review 1

Project Ref. No: 2	Project Title: ITM College Management	Date of Preparation of Activity Plan			
No.	Task	Actua I Start Date	Actual Days	Team Member Names	Status
01	Acknowledgment			All Members	Completed
02	Problem Definition	13		All Members	Completed
03	Customer Requirement	3, 201	2	All Members	Completed
04	Function Requirement	April 26,	2	All Members	Completed
05	Hardware/Software	Ap		All Members	Completed
06	Task sheet			All Members	Completed

	Prepare By: Group	Approved By: Faculty
	Team Leader	
Date: Apr 26, 2013		
	Nguyen Vu Hung	Tran Phuoc Sinh

# REVIEW II

# I. Architecture & Design of the Project



**Three-Tier Architecture of the Project** 

### 1. Presentation Tier:

Is the tier in which the users interact with an application. Presentation Tier contents Shared UI code, Code Behind and Designers used to represent information to user.

Technology: ASP.NET, DHTML, CSS, JavaScript, Ajax

# 2. Business Logic Tier:

Is mainly working as the bridge between Data Tier and Presentation Tier. All the Data passes through the Business Tier before passing to the Presentation Tier.

Technology: OOP, ASP.NET

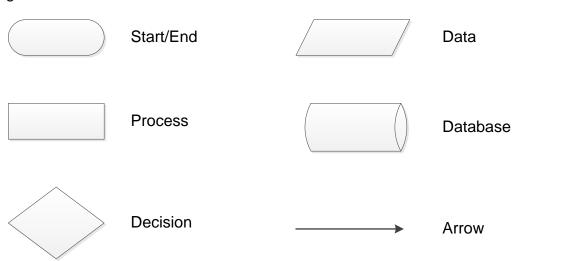
### 3. Data Access Tier:

Is basically the server which stores all the application's data. Data tier contents Database Tables, Database Views and other means of storing Application Data.

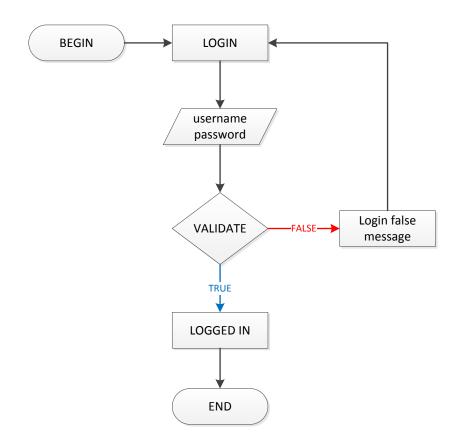
Technology: SQL Server, LINQ, ADO.NET

# II. Algorithms - Data Flowchart:

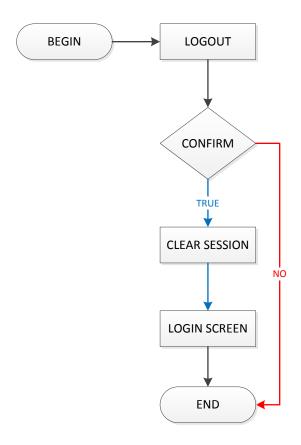
# Symbol generates:



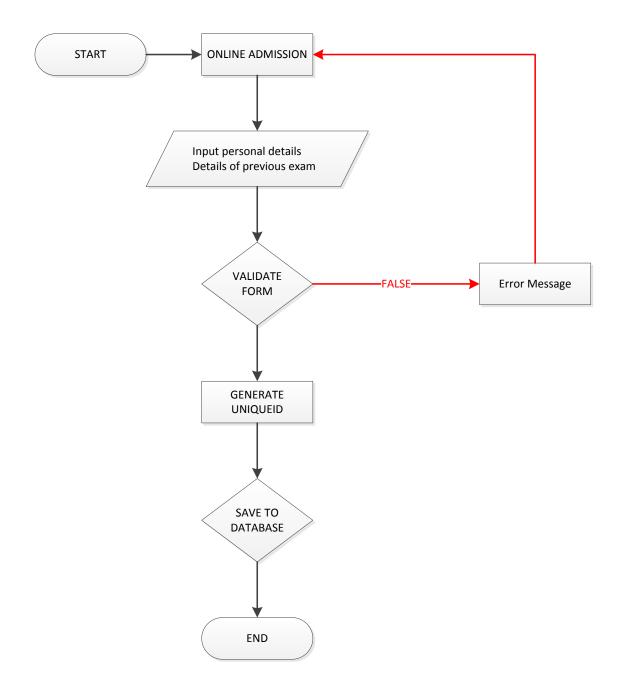
# 1. Login process



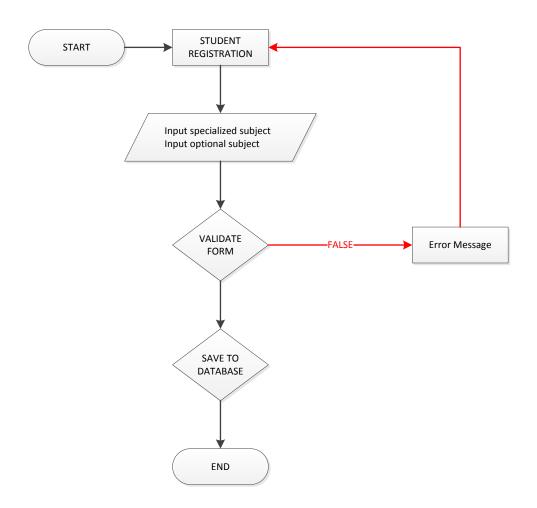
# 2. Logout process



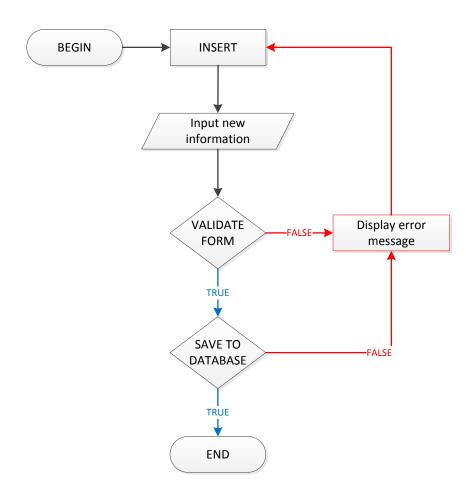
# 3. Online Admission



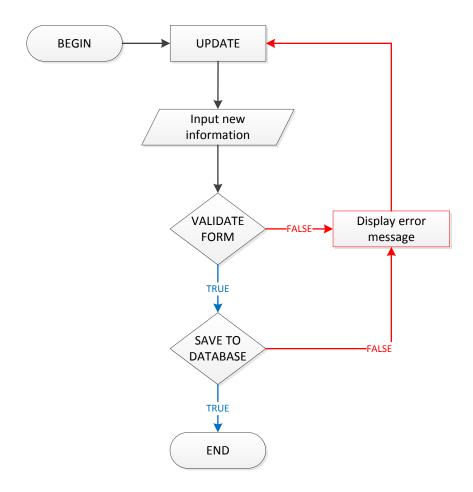
# 4. Student Registration



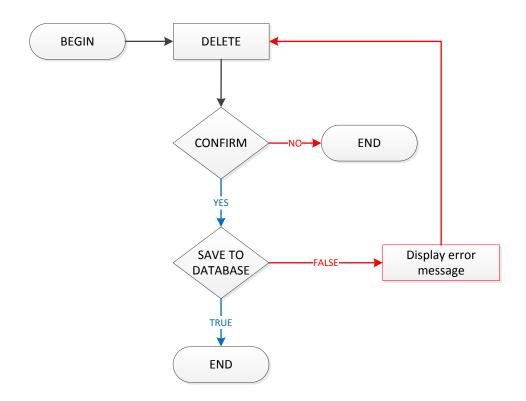
# 5. Insert process



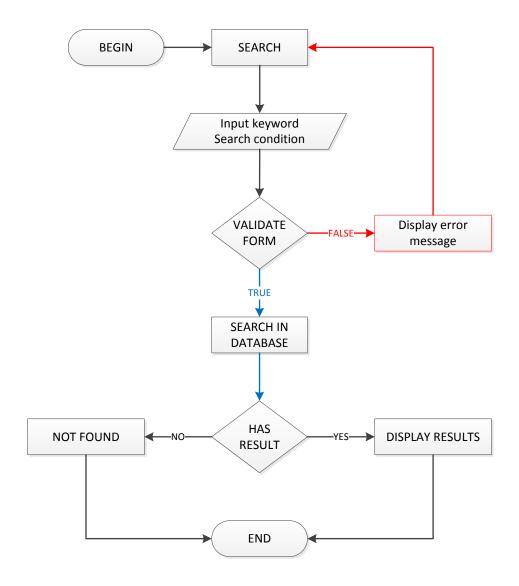
# 6. Update process



# 7. Delete process



# 8. Search process



# III. Data Flow Diagram

**Define**: Data Flows Diagram (DFD) describes the information flow in the system. The next step of system analysis is to consider in detail the information necessary for the implementation for functions discussed above and the one necessary for the improvement of the functions. Modelling tool frequently used for this purpose is DFD. DFD will support 4 main activities:

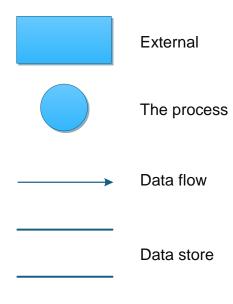
**Analysis**: DFD is used to determine requirement of users.

**Design**: DFD is used to map out plan and illustrate solution to analysis and users while designing a new system.

**Communication**: one of the strength of DFD is its simplicity and ease to understand to analysts and users;

**Document**: DFD is used to provide special description of requirement and system design. DFD provide an overview of key functional components of the system but it does not provide any detail on these components. We have to use other tools like database dictionary, process specification to get an idea of which information will be exchanged and how.

### The main components of Context Diagram:



**The process**: Shows the common function of system **The external factors**: External factors can be a

person, a group of persons or an organization that

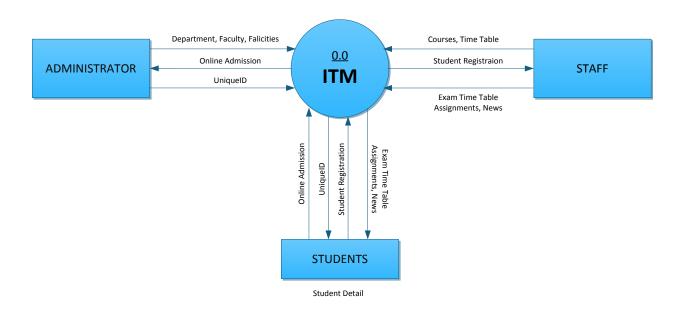
are sources of information for the systems and are

where system products are transferred to.

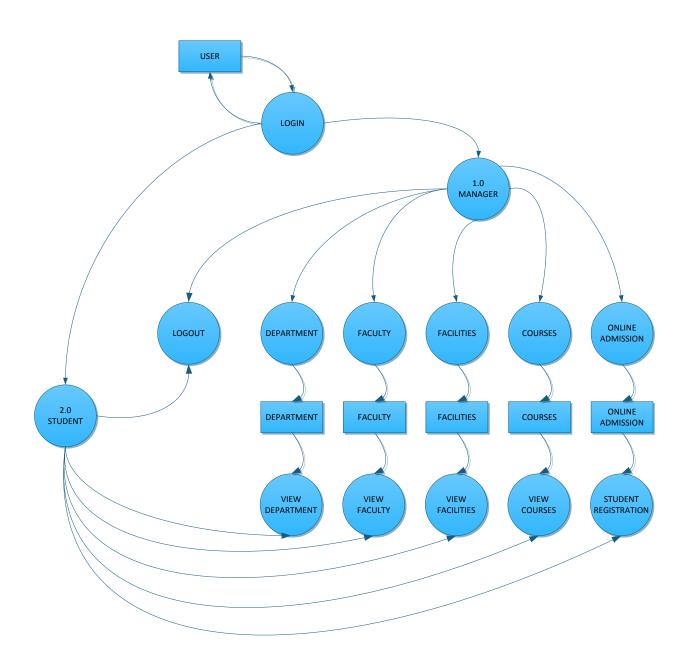
**The data flow**: Describe the movement of information from one part of the system to another.

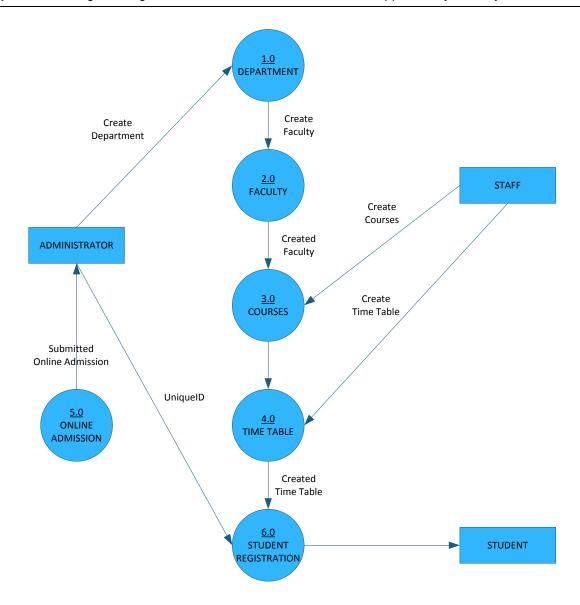
The data store: The Data Store is used to model a collection of data packets at rest. A store is represented graphically by two parallel lines. The name of a Data Store that identifies the store is the plural of the name of the packets that are carried by flows into and out of the Data Store

# 1. Context Level Diagram



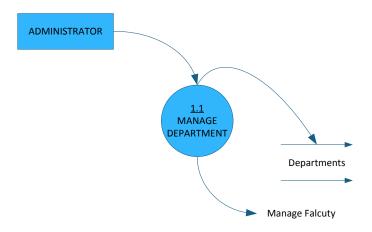
## 2. Level 0 DFD



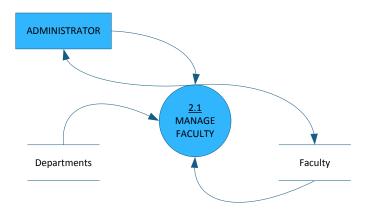


## 3. Level 1 DFD

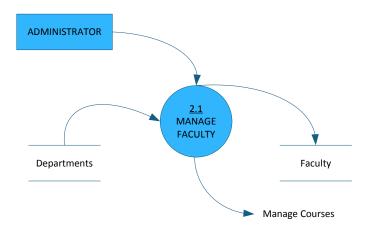
# 3.1. Level 1 DFD - Administrator Manage Department



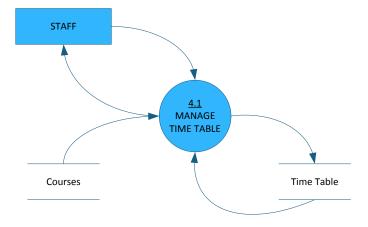
# 3.2. Level 1 DFD - Administrator Manage Faculty



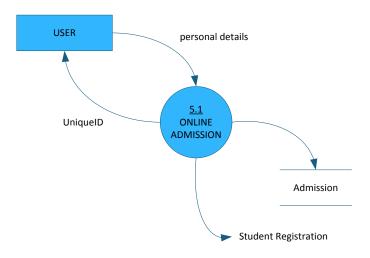
# 3.3. Level 1 DFD - Staff Manage Course



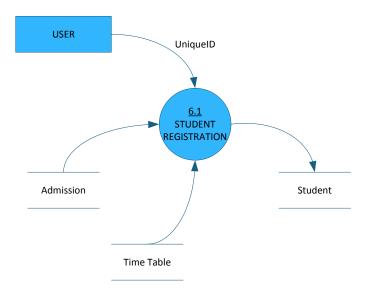
# 3.4. Level 1 DFD - Staff Manage Time Table

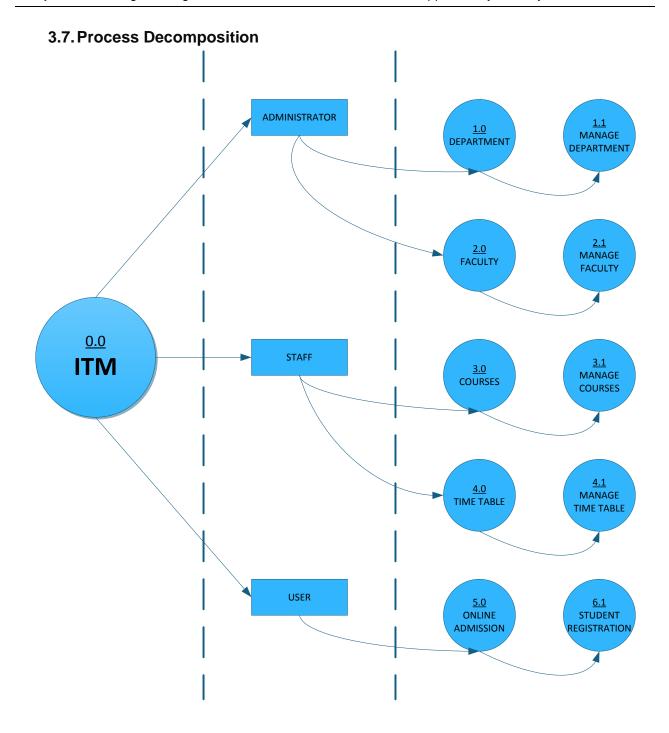


# 3.5. Level 1 DFD - Online Admission

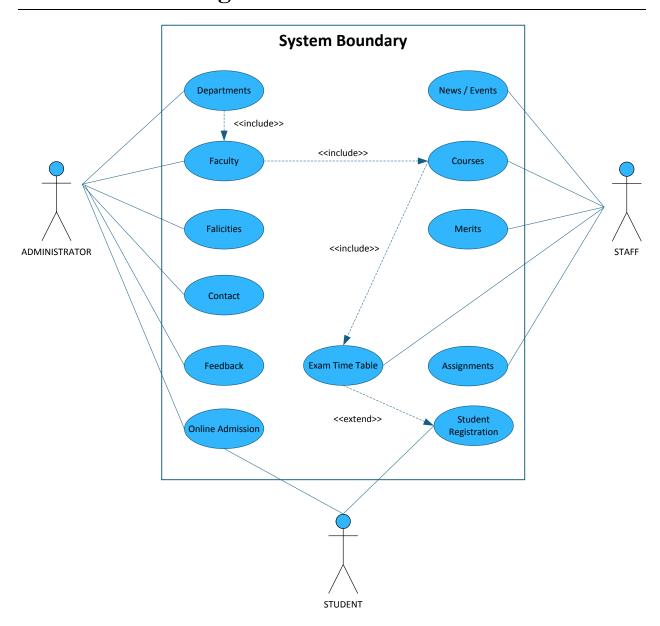


# 3.6. Level 1 DFD - Student Registration

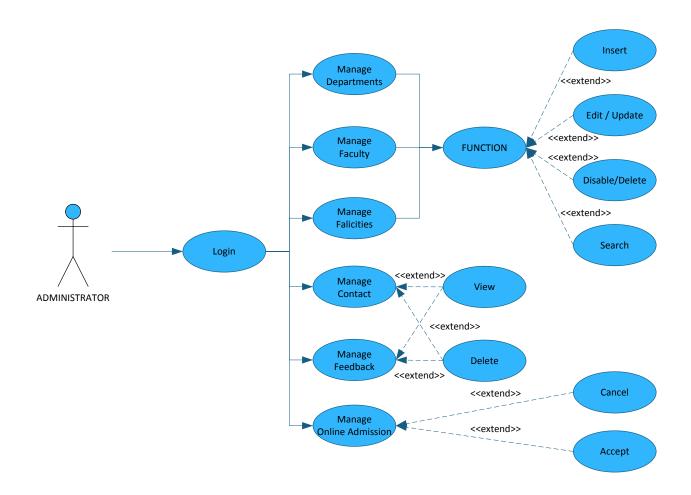




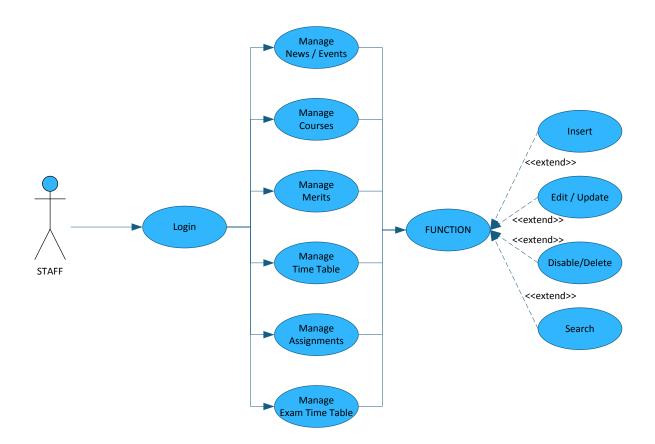
# IV. Use Case Diagram



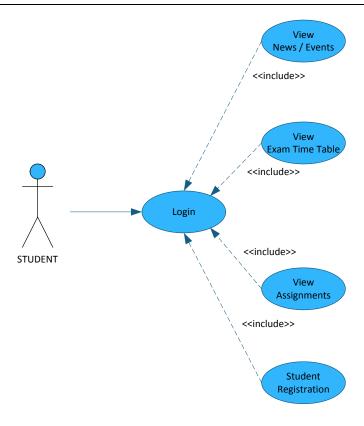
# 1. Administrator Use Case



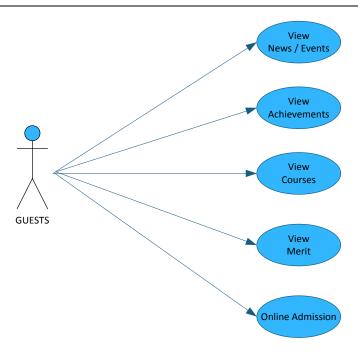
# 2. Staff Use Case



# 3. Student Use Case

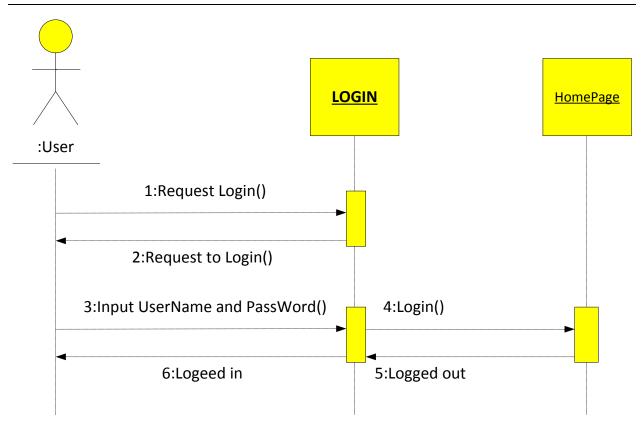


#### 4. Guest Use Case



# V. Sequence Diagram

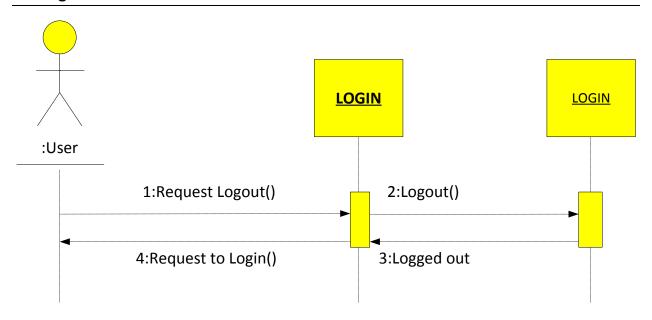
# 1. Login



Use Case Name	Login	
Author	Nguyen Vu Hung	
Actors	Administrator, Staff, Student	
Description	Actors use this use case to login to	o system
Requirements		
Pre-Conditions		
Post-Condition		
Basic Flow	Actors action  1. Actors click on "Login " button	System Response  2. The system display "Login" page the following control: - "Username" text field - "Password" text field - "Login" button

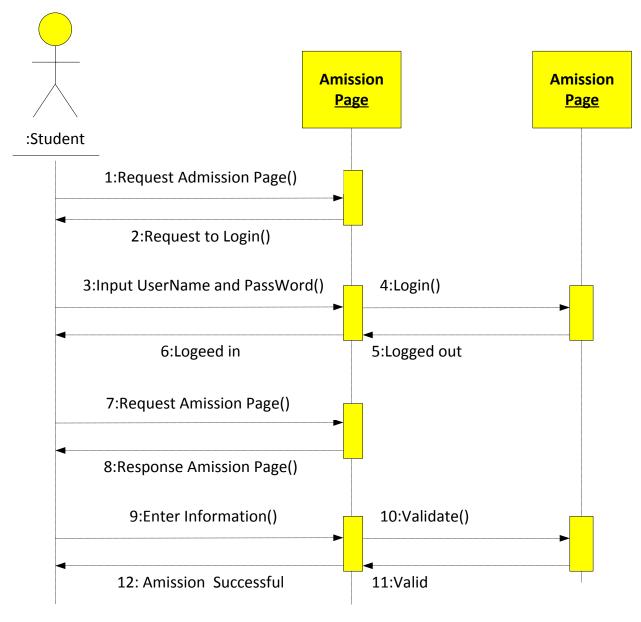
	3. Actors enter username and password into form. 4. Actors click "Login" button [alternative]	- "Cancel" button  5. The system validate Username and Password 6. The system log Actors into system.
Alternative Flow	Actors action [alternative] Actors click Cancel button	System Response System return to Homepage
Exceptions	Actors action [exception1] Actors provide invalid Username and Password	System Response  1. System display message:  "The username or password provided are incorrect"

# 2. Logout



Use Case Name	Logout		
Author	Nguyen Vu Hung	Nguyen Vu Hung	
Actors	Administrator, Staff, Student		
Description	Actors use this use case to login to	o system	
Requirements			
Pre-Conditions	Already login into the System		
Post-Condition			
Basic Flow	Actors action 1. Actors click on "Logout " button 3. Actors click "OK" button [alternative]	<ul><li>System Response</li><li>2. System display message: "Do you want to logout?"</li><li>5. System logout Actors.</li></ul>	
Alternative Flow	Actors action [alternative] Actors click Cancel button	System Response System return to previous page	
Exceptions			

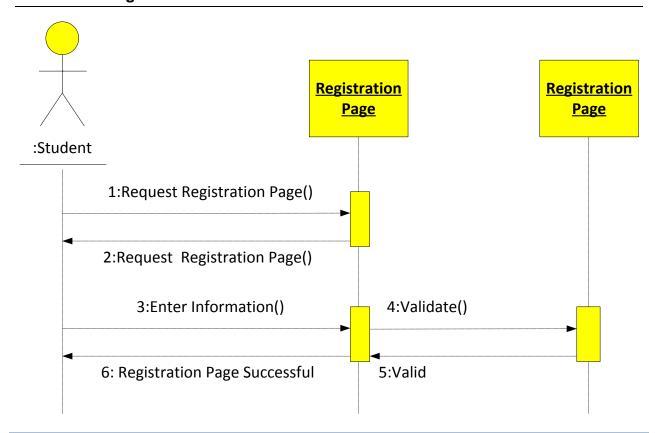
#### 3. Online Admission



Use Case Name	Online Admission
Author	Tran Van Hai
Actors	Admin
Description	Actors use display Online Admission
Requirements	
Pre-Conditions	
Post-Condition	

Basic Flow	Actors action  1. Actors click on "Online Admission " button	System Response  2. The system display "Online Admission" page the following with input personal details and details of previous exam
	Actors click "Submit"     button [alternative]	<ul><li>4. The system validate</li><li>[exception1</li><li>5. System save database</li></ul>
Alternative Flow	Actors action [alternative] Actors click Cancel button	System Response System return to Homepage
Exceptions	Actors action [exception1] Actors provide invalid Online Admission	System Response  1. System display message:  "error message"

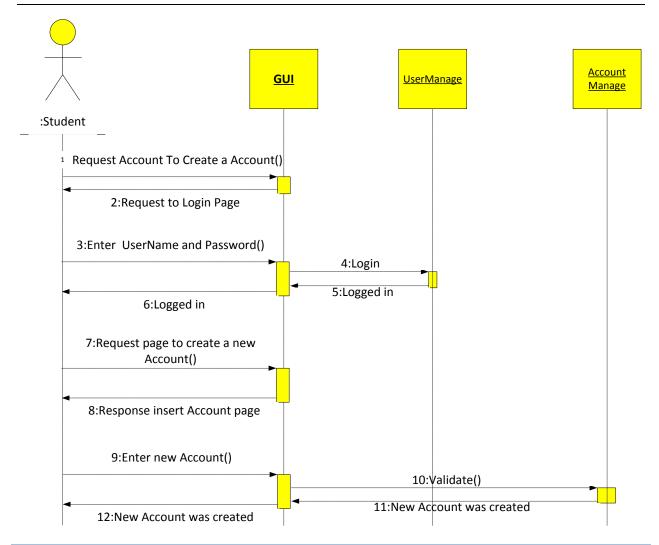
# 4. Student Registration



Use Case Name	Student Registration	
Author	Le Ngoc Nhut	
Actors	Student	
Description		
Requirements		
Pre-Conditions	Actors has UNIQUEID	
Post-Condition		
Basic Flow	Actors action  1. Actors click on "Student Registration " button  3. Actors click "Submit" button  [alternative]	<ul> <li>System Response</li> <li>2. System display Student Registration page the following input specialized subject and input optional subject</li> <li>4. Validate form [exception1]</li> </ul>

		5. System save database
Alternative Flow	Actors action [alternative] Actors click Cancel button	System Response System return to previous page
Exceptions	Actors action [exception1] Actors provide invalid Student Registration	System Response  1. System display message:  "error message"

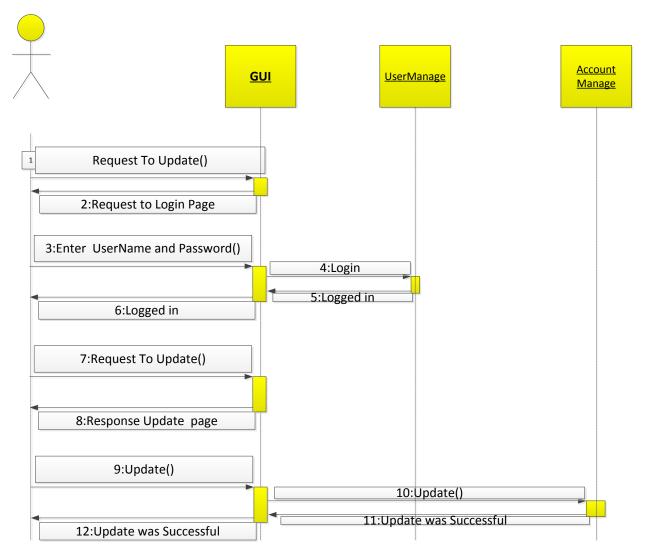
#### 5. **Insert**



Use Case Name	Insert	
Author	Tran Dung Tri	
Actors	Administrator, Staff	
Description	Actors use this use case to insert new information into system	
Requirements		
Pre-Conditions	Already logged in to the System as Administrator or Staff	
Post-Condition	Success: New information is saved into system database Fail: Refill information	
Basic Flow	Actors action  1. Actors click on "Insert" button	<ul><li>System Response</li><li>2. System displays "Insert"</li></ul>

	3. Actors enter new information into required fields. 4. Actors click "Submit" button [alternative1]	5. System validates new information [exception1] 6. System saves new information into Database.
Alternative Flow	Actors action [alternative1] Actors click "Cancel" button	System Response System returns to previous page
Exceptions	Actors action [exception1] Actors provide invalid information	System Response  1. System displays error message

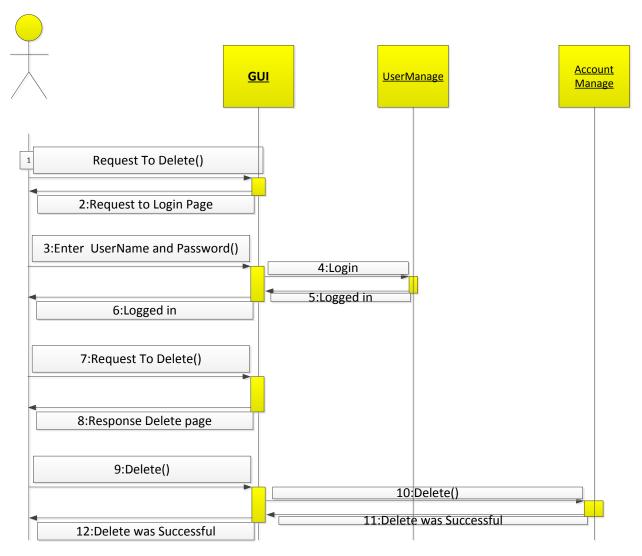
# 6. Update



Use Case Name	Update		
Author	Tran Dung Tri	Tran Dung Tri	
Actors	Administrator, Staff		
Description	Actors use this use case to update new information into system		
Requirements			
Pre-Conditions	Already logged in to the system		
Post-Condition	Success: Selected information is updated into system database Fail: Refill information		
Basic Flow	Actors action  1. Actors click on "Update"	System Response	

	<ul><li>3. Actors update new information into required fields.</li><li>4. Actors click "Update" button</li><li>[alternative]</li></ul>	<ul> <li>2. System displays "Update" page</li> <li>5. System validates information [exception1]</li> <li>6. System updates new information into Database.</li> </ul>
Alternative Flow	Actors action [alternative] Actors click Cancel button	System Response System returns to previous page
Exceptions	Actors action [exception1] Actors provide invalid information	System Response  1. System displays error message

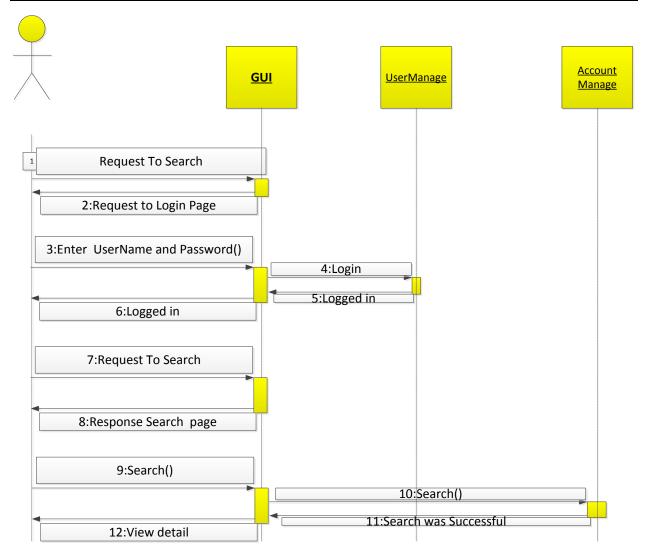
#### 7. Delete



Use Case Name	Delete	
Author	Tran Dung Tri	
Actors	Administrator, Staff	
Description	Actors use this use case to delete information from system	
Requirements		
Pre-Conditions	Already logged in to the system	
Post-Condition	Success: Selected information is deleted from system database Fail: Refill information	
Basic Flow	Actors action  1. Actors click on "Delete" button	System Response

	4. Actors click "Yes" button [alternative]	2. System displays "Delete Confirm" page
		5. The system deletes the selected information [exception1]
	Actors action	System Response
Alternative Flow	[alternative] Actors click Cancel	System returns to previous
	button	page
	Actors action	System Response
Exceptions	[exception1] Actors provide	System displays error
	invalid information	message

#### 8. Search

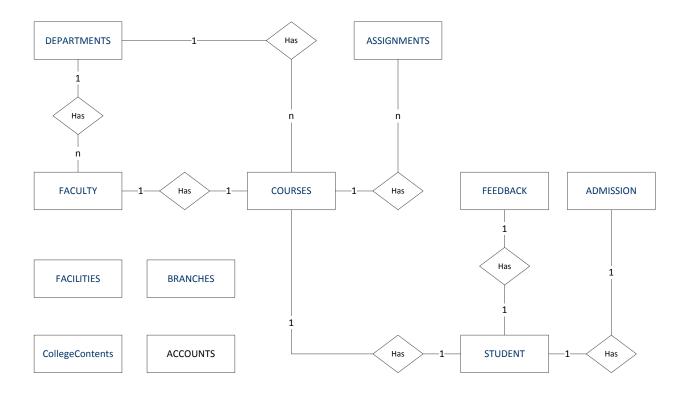


Use Case Name	Search					
Author	Tran Dung Tri					
Actors	Administrator, Staff, Student	Administrator, Staff, Student				
Description	Actors use this use case to inform	Actors use this use case to information into system				
Requirements						
Pre-Conditions	Already logged in to the system					
Post-Condition	Success: Found information is displayed on the "Display" page Fail: Refill information					
Basic Flow  Actors action  1. Actors input search keyword		System Response				

	into Keyword Text Field  2. Actors click on "Search"  button	System validate keywords [exception1]
		System display "Search Result" page
Alternative Flow		
Exceptions	Actors action [exception1] Actors provide invalid keywords	System Response  1. System display error message

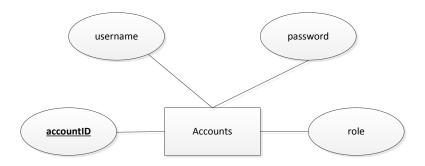
# VI. Entity–Relationship Design

# 1. Entity-Relationship Diagram

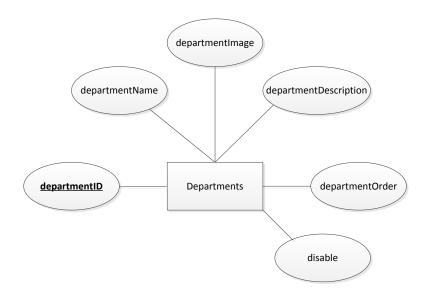


# 2. Entities and Properties

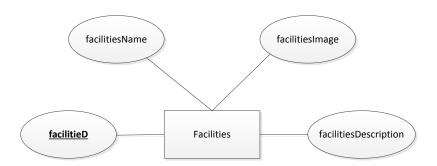
# 2.1. Accounts Entity & Properties



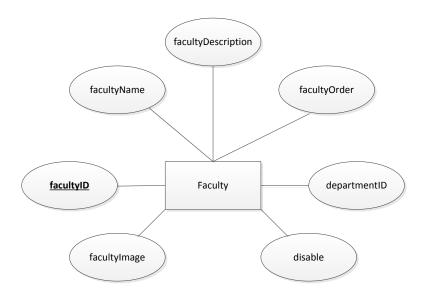
# 2.2. Department Entity & Properties



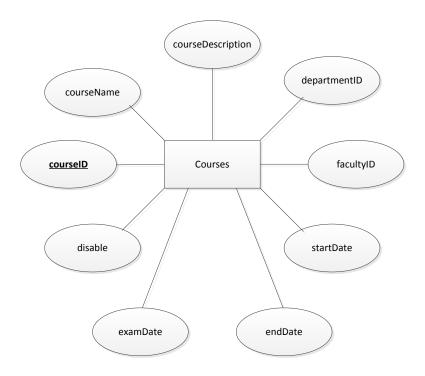
# 2.3. Facilities Entity & Properties



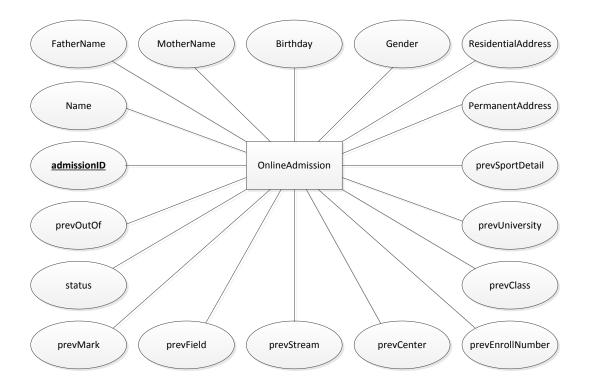
# 2.4. Faculty Entity & Properties



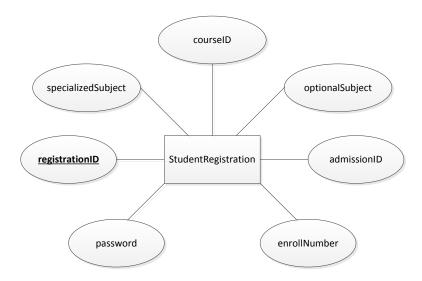
# 2.5. Courses Entity & Properties



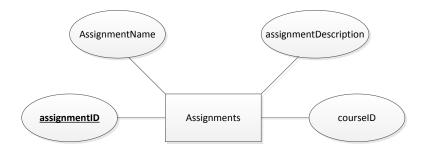
# 2.6. Online Admission Entity & Properties



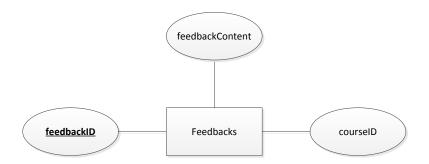
# 2.7. StudentRegistration Entity & Properties



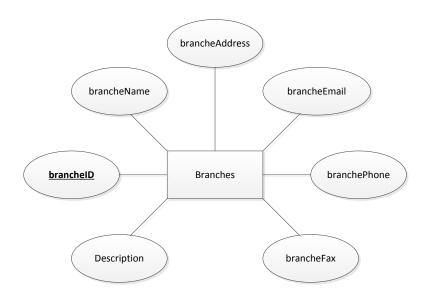
# 2.8. Assignments Entity & Properties



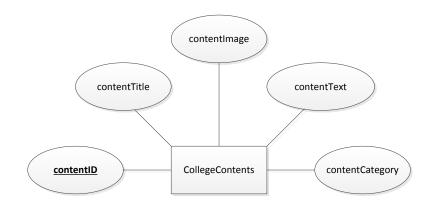
# 2.9. FeedBacks Entity & Properties



# 2.10. Branches Entity & Properties



# 2.11. CollegeContents Entity & Properties



# VII. Task sheet review 2

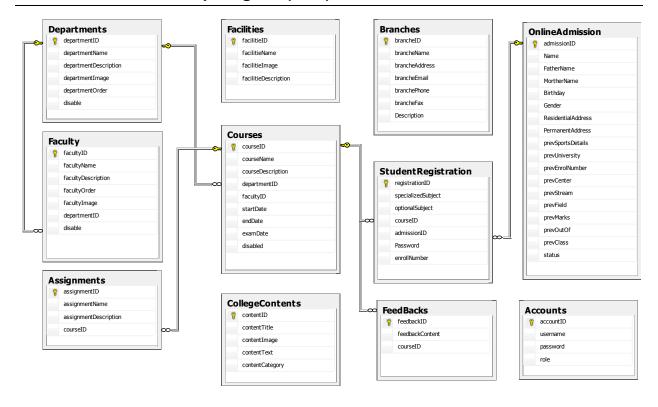
Project Ref. No: 2	Project Title: ITM College Management	Date of Preparation of Activity Plan					
No.	Task	Actual Start Date	Actual Days	Team Member Name	Status		
01	Architecture & Design of the Project			Nguyen Vu Hung	Completed		
02	Algorithms - Data Flowchart	May 04, 2013	6	Nguyen Vu Hung	Completed		
03	Data Flow Diagram	,04		Nguyen Vu Hung	Completed		
04	Use Case Diagram	Мау		Le Ngoc Nhut	Completed		
05	Sequence Diagram			Tran Dung Tri	Completed		
06	ERD			Tran Van Hai	Completed		

	Prepare By: Group	Approved By: Faculty
	Team Leader	
Date: May 04, 2013		
	Nguyen Vu Hung	Tran Phuoc Sinh

# REVIEW III

# I. Database Design

#### 1. Database Relationship Diagram (DRD)



# 2. Database Structure

#### 2.1. Table: Accounts

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
accountID	INT	No	IDENTITY(1,1)	PK		
username	VARCHAR(32)	No				
password	VARCHAR(32)	No				
role	VARCHAR(10)	No				Role for system: 1:admin 2:staff

# 2.2. Table: Departments

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
departmentID	INT	No	IDENTITY(1,1)	PK		
departmentName	VARCHAR(250)	No				
departmentDescription	VARCHAR(1000)	No				
departmentImage	VARCHAR (250)	No				
departmentOrder	INT	No	0			
disable	BIT	No	0			

# 2.3. Table: Faculty

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
facultyID	INT	No	IDENTITY(1,1)	PK		
facultyName	VARCHAR(250)	No				
facultyDescription	VARCHAR(1000)	No				
facultyOrder	INT	No	0			
facultylmage	VARCHAR(250)	No				
departmentID	INT	No		FK	Departments.departm entID	
disable	BIT	No	0			

#### 2.4. Table: Courses

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
courseID	INT	No	IDENTITY(1,1)	PK		
courseName	VARCHAR(250)	No				
courseDescription	VARCHAR(1000)	No				
departmentID	INT	No		FK	Departments.departm entID	
facultyID	INT	No		FK	Faculty.facultyID	
startDate	VARCHAR(50)	No				
endDate	VARCHAR(50)	No				
examDate	VARCHAR(50)	No				
disabled	INT	No	0			

# 2.5. Table: OnlineAdmission

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
admissionID	INT	No	IDENTITY(1,1)	PK		
Name	VARCHAR(250)	No				
FatherName	VARCHAR(250)	No				
MortherName	VARCHAR(250)	No				
Birthday	VARCHAR(20)	No				
Gender	BIT	No	0			
ResidentialAddress	VARCHAR(250)	No				
PermanentAddress	VARCHAR(250)	No				
prevSportsDetails	VARCHAR(250)	No				
prevUniversity	VARCHAR(250)	No				
prevEnrolNumber	VARCHAR(250)	No				
prevCenter	VARCHAR(250)	No				
prevStream	VARCHAR(250)	No				
prevField	VARCHAR(250)	No				
prevMarks	VARCHAR(250)	No				

prevOutOf	VARCHAR(250)	No			
prevClass	VARCHAR(250)	No			
status	BIT	No	0		

# 2.6. Table: StudentRegistration

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
registrationID	INT	No	IDENTITY(1,1)	PK		
specializedSubject	INT	No		FK		
optionalSubject	INT	No		FK		
courseID	INT	No		FK	Coursrs.courseID	
admissionID	INT	No		FK	OnlineAdmission. admissionID	
Password	VARCHAR(30)	No	0			
enrollNumber	INT	No				

# 2.7. Assignments Entity & Properties

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
assignmentID	INT	No	IDENTITY(1,1)	PK		
assignmentName	VARCHAR(250)	No				
assignmentDescription	VARCHAR(1000)	No				
courseID	INT	No		FK	Courses.courseID	

# 2.8. FeedBacks Entity & Properties

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
feedbackID	INT	No	IDENTITY(1,1)	PK		
feedbackContent	VARCHAR(1000)	No				
courseID	INT	No		FK	Courses.courseID	

# 2.9. Branches Entity & Properties

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
brancheID	INT	No	IDENTITY(1,1)	PK		
brancheName	VARCHAR(50)	No				
brancheAddress	VARCHAR(250)	No				
brancheEmail	VARCHAR(150)	No				
branchePhone	VARCHAR(30)	No				
brancheFax	VARCHAR(30)	No				
Description	VARCHAR(1000)					

# 2.10. CollegeContents Entity & Properties

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
contentID	INT	No	IDENTITY(1,1)	PK		
contentTitle	VARCHAR(1000)	No				
contentImage	VARCHAR(250)	No				
contentText	VARCHAR(1000)	No				
contentCategory	VARCHAR(250)	No				

# 2.11. Facilities Entity & Properties

Field Name	Data Type	Null	Default	Key	Field-Ref	Description
facilitieID	INT	No	IDENTITY(1,1)	PK		
facilitieName	VARCHAR(1000)	No				
facilitieImage	VARCHAR(250)	No				
facilitieDescription	VARCHAR(1000)	No				

#### 3. Database Constrains

#### 3.1. Table: Accounts

Constraint:

• UNIQUE: username must be unique

Name	Add	Delete	Update
Accounts	+ (username)	-	+ (username)

# 3.2. Table: Departments

Constraint:

• UNIQUE: departmentName must be unique

Name	Add	Delete	Update
Departments	+ (departmentName)	-	+ (departmentName)

# 3.3. Table: Faculty

Constraint:

• UNIQUE: facultyName must be unique

• FOREIGN KEY: DepartmentID must exist

Name	Add	Delete	Update
Faculty	+ (facultyName) Departments.departmentID must exist	-	+ (facultyName) Departments.departmentID must exist

#### 3.4. Table: Courses

Constraint:

• UNIQUE: courseName must be unique

• FOREIGN KEY: DepartmentID must exist

Name	Add	Delete	Update
Courses	+ (courseName) Departments.departmentID must exist	-	+ (courseName) Departments.departmentID must exist

#### 3.5. Table: StudentRegistration

Constraint:

FOREIGN KEY: courseID must exist
 FOREIGN KEY: admissionID must exist

Name	Add	Delete	Update
StudentRegistration	+ Courses.courseID and OnlineAdmission.admissionID must exist	-	+ Courses.courseID and OnlineAdmission.admissionID must exist

#### 3.6. Table: Assignments

Constraint:

• UNIQUE: AssignmentsName must be unique

• FOREIGN KEY: courseID must exist

Name	Add	Delete	Update
Assignments	+ (AssignmentsName) Courses.courseID must exist		+ (AssignmentsName) Courses.courseID must exist

#### 3.7. Table: FeedBacks

Constraint:

• FOREIGN KEY: courseID must exist

Name	Add	Delete	Update
FeedBacks	+ Courses.courseID must exist	-	+ Courses.courseID must exist

#### 3.8. Table: Branches

Constraint:

UNIQUE: branchName must be unique

• UNIQUE: branchEmail must be unique

• UNIQUE: branchAddress must be unique

• UNIQUE: branchPhone must be unique

• UNIQUE: branchFax must be unique

Name	Add	Delete	Update
Branches	+ (branchName, branchEmail, branchAddress, branchPhone, branchFax)	-	+ (branchName, branchEmail, branchAddress, branchPhone, branchFax)

# 3.9. Table: Facilities

Constraint:

• UNIQUE: facilitiesName must be unique

Name	Add	Delete	Update
Facilities	+ (facilitiesName)	-	+ (facilitiesName)

# 3.10. Table: CollegeContents

Constraint:

• UNIQUE: facilitiesName must be unique

Name	Add	Delete	Update
CollegeContents	+ (contentTitle)	-	+ (contentTitle)

#### **GUI Designs – Front-End** II.

#### Homepage



#### Welcome to ITM College

ITM College commenced its education and training business in 1986 and has globally trained over 6.4 million students. ITM College is an ISO 9001:2000 organization and the first IT Training and Education company to get this certification for Education Support Services in 1993.

ITM College has presence in more than 40+ emerging countries through its two main streams of businesses - Individual training and Enterprise Business. As a leader in career education, it has over 1305 centres of learning across the world... readmore

#### **Latest Coures**

#### Programming In C

Instructor: Mrs. HuongLT Time: 20 May 2013 - 20 June 2013

This course provides students with a comprehensive study of the C programming language. Classroom lectures stress the strengths of C

#### **Campus Events**

- UT Micro Farm workday announced
- Priscilla Queen of the Desert" matinee performed
- $\ensuremath{\,{}^{\odot}}$  Tour "Through the Eyes of Texas" at Blanton

#### College News

#### Uganda PM confers 'Best Computer Training School' award to Aptech

Posted on 11 May 2013

Uganda Prime Minister Amama Mbabazi awarded the 'Best Computer Training School of 2013...

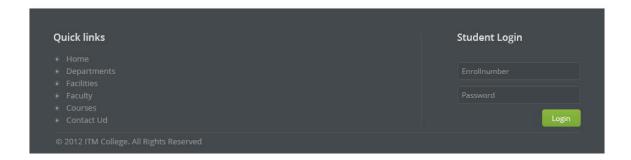
#### MAAC perpetuates creativity with National Students Meet 2013

National Students Meet (NSM) 2013, an initiative by Maya Academy of Advanced Cinematics (MAAC) ...

#### Aptech-UCX Sign Agreement

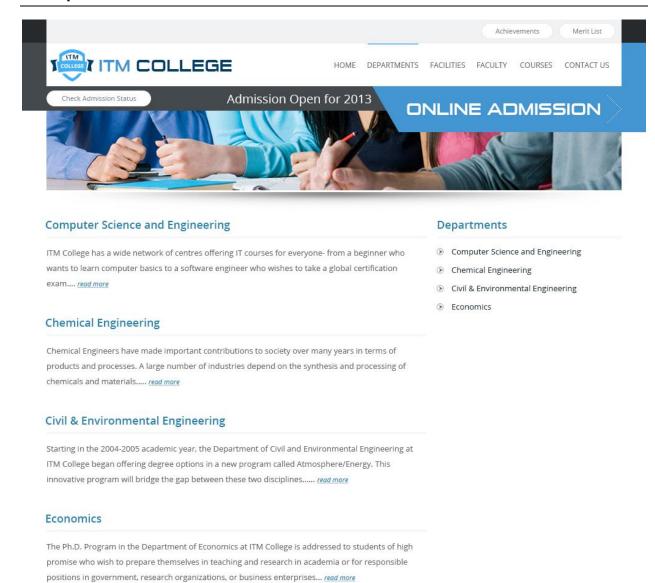
Posted on 07 May 201

Aptech Ltd, a global leader in career education, today, announced its three year strategic partnership ...



Student Login							
No.	Name	Туре	Validation	Event	Description	Status	
1	EnrollNumber	Textbox	Not null		EnrollNumber of Student	Enable	
2	Password	Textbox (Mode	Not null		Password of Student	Enable	
		Password)					
3	Login	Button		Click	Process Login Request	Enable	

#### 2. Departments



Quick links

Four Home
Departments
Facilities
Faculty
Courses
Contact Us

Student Login

Enrollnumber

Enrollnumber

Login

#### 3. Department Detail



#### Computer Science and Engineering

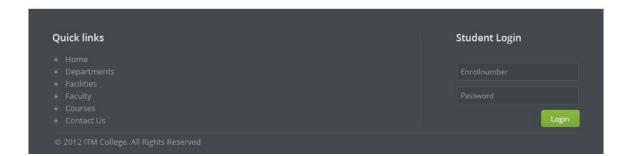


The need for professionals with a background of Computer Science & Engineering is always on the rise. Those with problem solving skills are the ones in demand. Professionals with these skills are sure to land up with successful careers in the years to come. The Department of Computer Science and Engineering will thus cater to the above needs by providing with theoretical and practical knowledge and with a goal to equip the students face the vast world of technology.

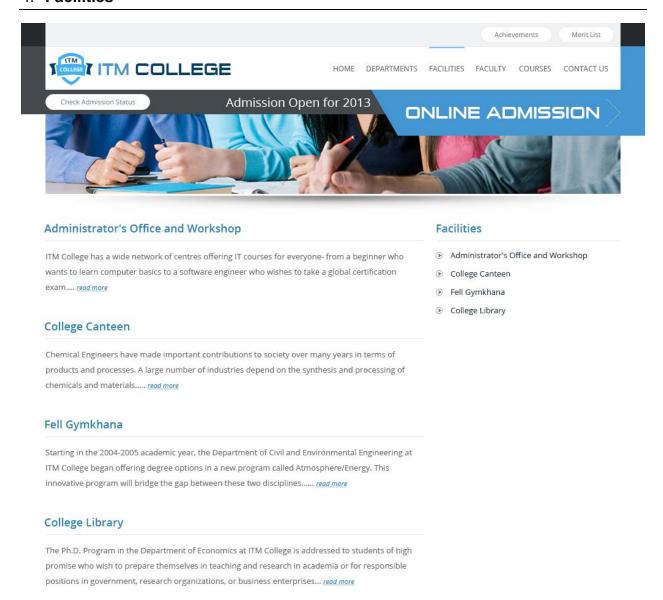
The fundamental objective of the Department of Computer Science & Engineering of the Christ University is to provide the opportunity for our students to develop a firm foundation in mathematics, science, and design methodology applied to the disciplines of Computer Science & Engineering. Our course covers all fundamentals, working and expert subjects that provides enough learning environment where students understand and are able to apply the most contemporary and essential tools needed in the breadth and depth of computer science & engineering.

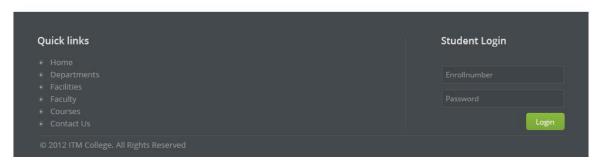
#### Departments

- Computer Science and Engineering
- Chemical Engineering
- Civil & Environmental Engineering
- Economics



#### 4. Facilities





**Facilities** 

#### 5. Facility Detail



#### College Library

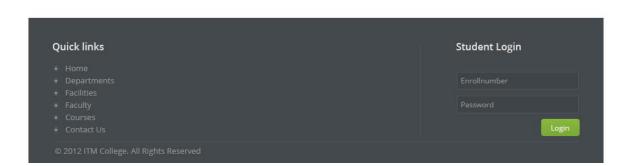


College Library offers materials on a wide range of topics to support discovery and learning, especially for those new to academic research. Emphasis is placed on current materials that will support and enrich class assignments and projects.

For more details, please refer to College Library's complete Collection Development Policy.

A wealth of material appropriate for College Library users is available online. The electronic resources of the entire university library system are available at College Library and are a key component of the collections.

In addition to resources to meet the academic needs of users, College Library includes a recreational collection including: recreational/self-help nonfiction, popular fiction novels, audio books, CDs, movies, video games and popular magazines.



#### 6. Faculty



Dr. John Smith



Chemical Engineering Instructor

Lorem ipsum doloreiusmod tempor dolorei doloreiusmod tempor usmod tempordolor... read more

Mrs. Nicole Bella



Chemical Engineering Instructor

Lorem ipsum doloreiusmod tempor dolorei doloreiusmod tempor usmod tempordolor... read more

Mrs. Brown Louise



Chemical Engineering Instructor

Lorem ipsum doloreiusmod tempor dolorei doloreiusmod tempor usmod tempordolor... <u>read more</u>

Mrs. Bmckechnie Shirley



Chemical Engineering Instructor

Lorem ipsum doloreiusmod tempor dolorei doloreiusmod tempor usmod tempordolor... <u>read more</u>

#### Dr. John Smith



Chemical Engineering Instructor

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Mrs. Nicole Bella



Chemical Engineering Instructor

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Mrs. Brown Louise



Chemical Engineering Instructor

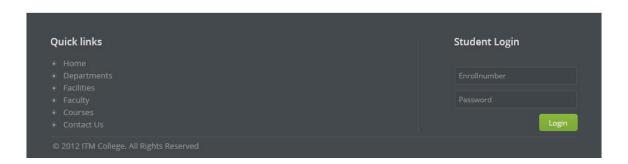
Lorem ipsum doloreiusmod tempor dolorei doloreiusmod tempor usmod tempordolor... read more

Mrs. Bmckechnie Shirley



Chemical Engineering Instructor

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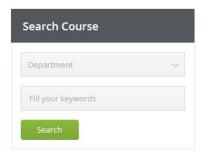


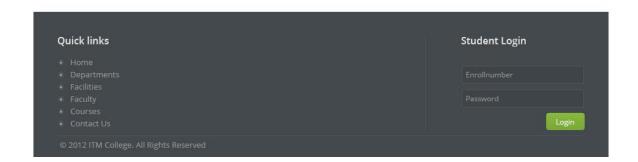
#### 7. Courses



#### Open courses

Course ID	Course Name	Teacher	Start Date	End Date
ECO001	Introductory Economics A	Gavin Wright	03 June 2013	07 June 2013
ECO002	Introductory Economics B	Gavin Wright	10 June 2013	21 June 2013
ECO003	Silicon Valley Meets Wall Street	Thomas Shanahan	10 June 2013	21 June 2013
ECO001	Introductory Economics A	Gavin Wright	03 June 2013	07 June 2013
ECO002	Introductory Economics B	Gavin Wright	10 June 2013	21 June 2013
ECO003	Silicon Valley Meets Wall Street	Thomas Shanahan	10 June 2013	21 June 2013
ECO001	Introductory Economics A	Gavin Wright	03 June 2013	07 June 2013
ECO002	Introductory Economics B	Gavin Wright	10 June 2013	21 June 2013
ECO003	Silicon Valley Meets Wall Street	Thomas Shanahan	10 June 2013	21 June 2013
ECO001	Introductory Economics A	Gavin Wright	03 June 2013	07 June 2013
ECO002	Introductory Economics B	Gavin Wright	10 June 2013	21 June 2013
ECO003	Silicon Valley Meets Wall Street	Thomas Shanahan	10 June 2013	21 June 2013



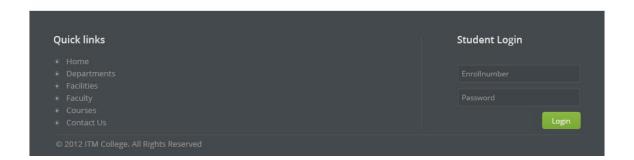


#### 8. Contact

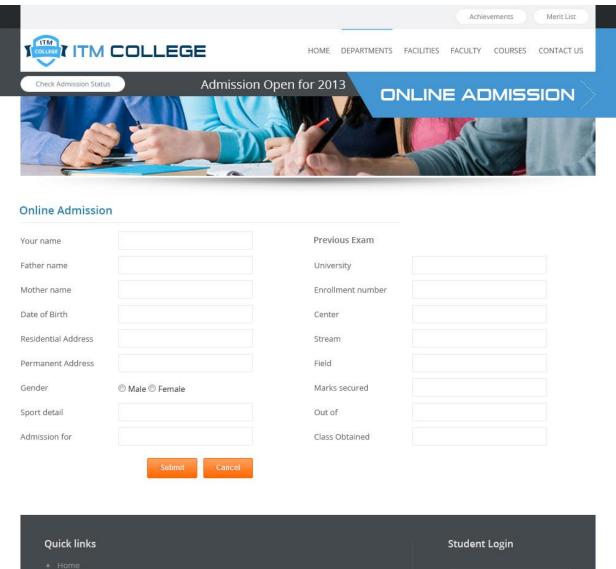


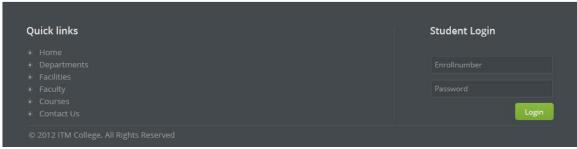
#### Contact Us

Branch	Branche Name 1		e Name 2	Branche Name 3		
Address:	Suraj Plaza, No. 2	Address:	Address: #6, 6th Floor Ad		#6, 6th Floor	
	8th Floor, Sayajigunj		C-Wing, Mittal Towers, M. G. Road		C-Wing, Mittal Towers, M. G. Road	
	Baroda - 399 005		Bangalore - 560 001		Bangalore - 560 001	
	India		India		India	
Phone	+91-265-2225644	Phone	+91-80-40828000	Phone	+91-80-40828000	
Fax	+91-265-2361493	Fax	+91-80-41239767	Fax	+91-80-41239767	
Email	bn01@itmcollege.com	Email	bn02@itmcollege.com	Email	bn03@itmcollege.com	
Lorem i	psum dolor sit amet, consectetur	Lorem i	psum dolor sit amet, consectetur	Lorem i	psum dolor sit amet, consectetur	
adipisicing elit, sed do eiusmod tempor incididunt adip		adipisicin	g elit, sed do eiusmod tempor incididunt	adipisicing elit, sed do eiusmod tempor incididunt		
ut labore	et dolore magna aliqua	ut labore	et dolore magna aliqua	ut labore	ut labore et dolore magna aliqua	



#### 9. Online Admission Form

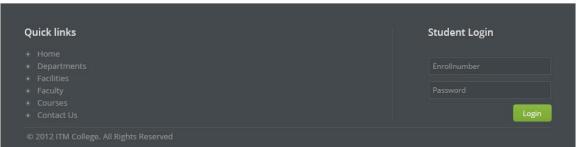




			Online /	Admissio	on	
No.	Name	Туре	Validation	Event	Description	Status
1	txtName	Textbox	not null		Registered admission name	Enable
2	txtFatherName	Textbox	not null		Registered admission Father name	Enable
3	txtMothername	Textbox	not null		Registered admission mother name	Enable
4	txtBirthday	Textbox	not null		Registered admission birthday	Enable
5	radGender	Textbox	not null		Registered admission gender	Enable
6	txtResidentialAddress	Textbox	not null		Registered admission Residential address	Enable
7	txtPermanentAddress	Textbox	not null		Registered admission Permanent Address	Enable
8	txtSportDetail	Textbox			Registered admission Sport	Enable
9	txtUniversity	Textbox			Registered admission previous University	Enable
10	txtClass	Textbox			Registered admission previous class	Enable
11	txtEnrolNumber	Textbox			Registered admission previous Enrol Number	Enable
12	txtCenter	Textbox			Registered admission previous center	Enable
13	txtStream	Textbox			Registered admission previous stream	Enable
14	txtField	Textbox			Registered admission previous field	Enable
15	txtMarkSecured	Textbox			Registered admission previous mark secured	Enable
16	txtOutOf	Textbox			Registered admission previous Out of	Enable
17	txtClassObtained	Textbox			Registered admission previous Class obtained	Enable
18	ButtonSubmit	Button		Click	Process Online Admission	Enable
19	ButtonCancel	Button		Click	Return previous page	Enable

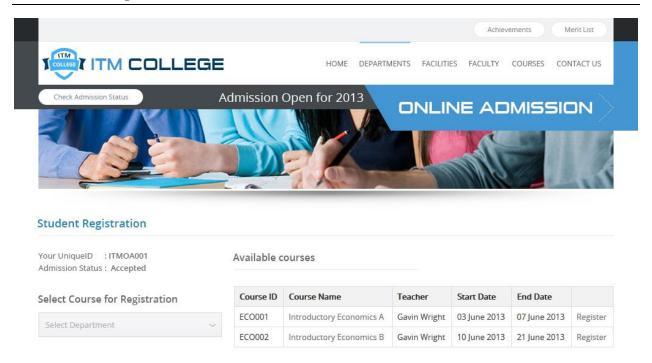
#### 10. Check Admission Status

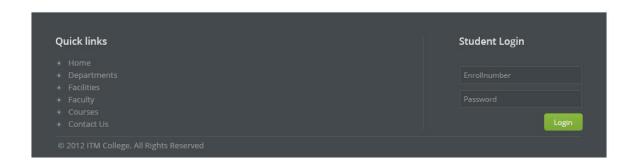




	Check Admission Status									
No.	Name	Туре	Validation	Event	Description	Status				
1	txtUniqueID	Textbox	not null		Unique ID provided for student	Enable				
					after Registered Online					
					Admission					
3	ButtonSubmit	Button		Click	Process check Admission Status	Enable				
4	ButtonCancel	Button		Click	Return to previous page	Enable				

# 11. Student Registration

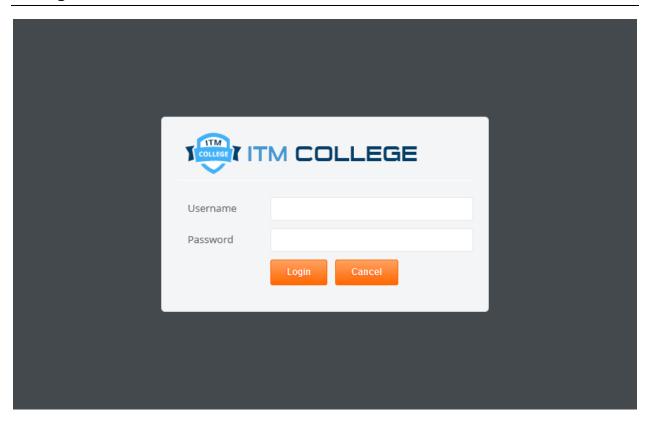




Student Registration								
No.	Name	Туре	Validation	Event	Description	Status		
1	listDepartment	Dropdown List			Department list of College	Enable		
2	linkRegister	Hyperlink		Click	Link to Register Selected Couse	Enable		

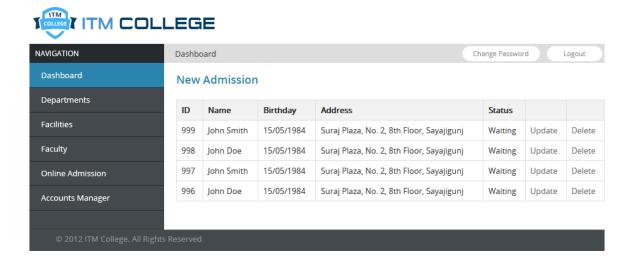
# III. GUI Design – Back-End

# 1. Login Form



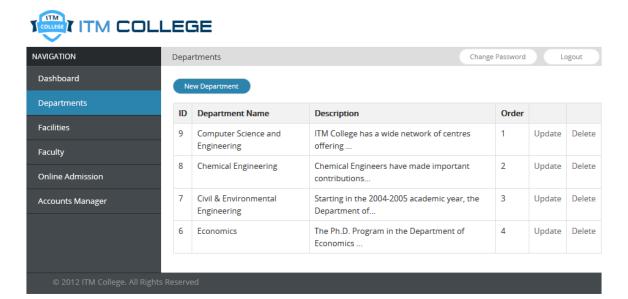
	Administrator & Staff Login								
No.	Name	Туре	Validation	Event	Description	Status			
1	txtUsername	Textbox	Not null		Username of Student	Enable			
2	txtPassword	Textbox (Mode	Not null		Password of Student	Enable			
		Password)							
3	ButtonLogin	Button		Click	Process Login Request	Enable			
4	ButtonCancel	Button		Click	Return to previous page	Enable			

#### 2. Administrator Dashboard



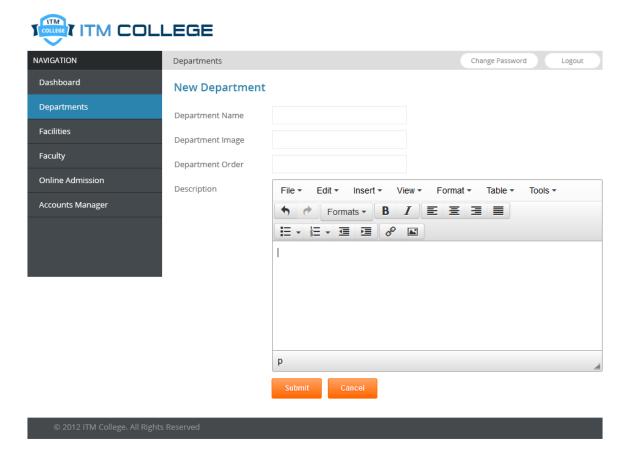
	Administrator Dashboard								
No.	Name	Туре	Validation	Event	Description	Status			
1	linkChangePassword	Hyperlink		Click	Link to Change Password	Enable			
					page				
2	linkLogout	Hyperlink		Click	Logout Administrator	Enable			
3	linkUpdate	Hyperlink		Click	Link to Update Admission	Enable			
					page				
4	linkDelete	Hyperlink		Click	Link to Delete Admission	Enable			
					page				

# 3. Administrator - Departments



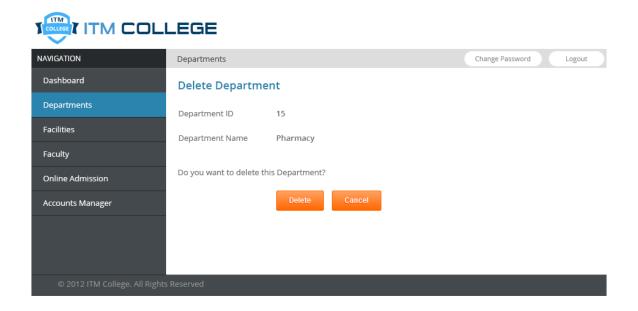
Administrator Departments									
No.	Name	Туре	Validation	Event	Descr	iptio	1		Status
1	linkNewDepartment	Hyperlink		Click	Link	to	Create	New	Enable
					Depar	tmer	it page		
3	linkUpdate	Hyperlink		Click	Link		to	Update	Enable
					Depar	tmer	it page		
4	linkDelete	Hyperlink		Click	Link		to	Delete	Enable
					Depar	tmer	it page		

# 4. Administrator - Departments - Create New / Edit



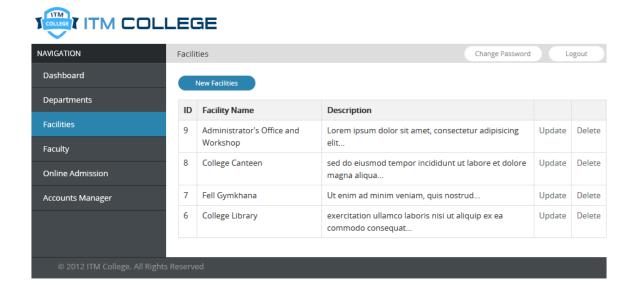
	Create / Edit Department									
No.	Name	Туре	Validation	Event	Description	Status				
1	txtDepartmentName	Text Box	Not Null Length: 250		Name of Department	Enable				
3	txtDepartmentImage	Text Box	Length: 250		Image of Department	Enable				
4	txtOrder	Text Box			Display order of Department	Enable				
5	txtDescription	Text Box			Description of Department	Enable				
6	ButtonSubmit	Button		Click	Process Create/Edit	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

# 5. Administrator - Departments - Delete



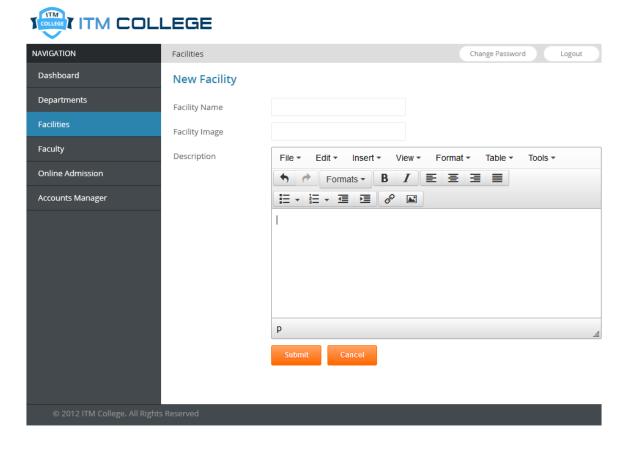
	Delete Department									
No.	Name	Туре	Validation	Event	Description	Status				
1	lblDepartmentID	Label			ID of Department	Enable				
3	IbIDepartmentName	Label			Name of Department	Enable				
6	ButtonDelete	Button		Click	Process Delete Department	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

#### 6. Administrator - Facilities



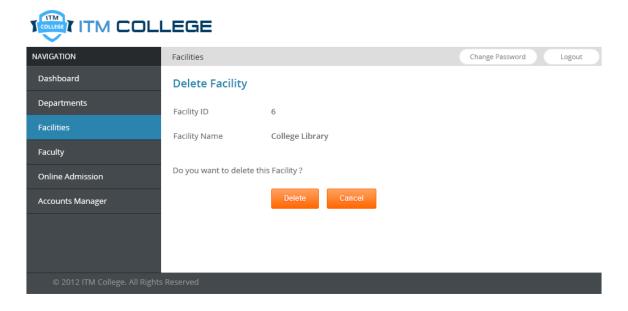
	Administrator Facilities								
No.	Name	Туре	Validation	Event	Description	Status			
1	linkNewFacilities	Hyperlink		Click	Link to Create New Facility	Enable			
					page				
3	linkUpdate	Hyperlink		Click	Link to Update Facility page	Enable			
4	linkDelete	Hyperlink		Click	Link to Delete Facility page	Enable			

## 7. Administrator - Facilities - Form Add/Edit



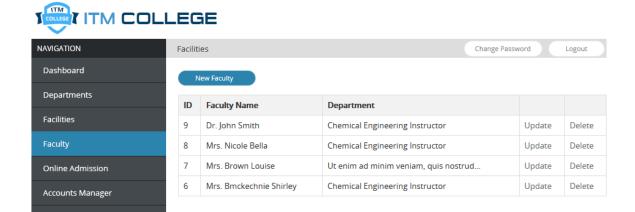
	Add / Edit Facility									
No.	Name	Туре	Validation	Event	Description	Status				
1	txtFacilityName	Text Box	Not Null Length: 250		Name of Facility	Enable				
2	txtFacilityImage	Text Box	Length: 250		Image of Facility	Enable				
3	txtDescription	Text Box			Description of Facility	Enable				
4	ButtonSubmit	Button		Click	Process Add/Edit Facility	Enable				
5	ButtonCancel	Button		Click	Return previous page	Enable				

## 8. Administrator - Facilities - Delete



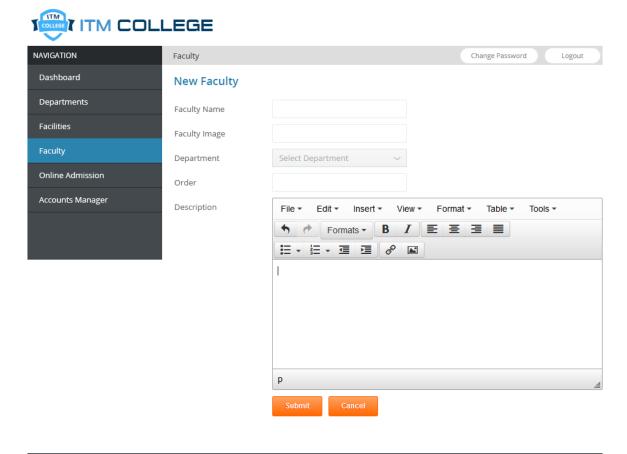
	Delete Facility									
No. Name Type Validation Event Description						Status				
1	lblFacilityID	Label			ID of Facility	Enable				
3	IblFacilityName	Label			Name of Facility	Enable				
6	ButtonDelete	Button		Click	Process Delete Facility	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

# 9. Administrator - Faculty



	Administrator Faculty								
No.	Name	Туре	Validation	Event	Description	Status			
1	linkNewFaculty	Hyperlink		Click	Link to Create New Faculty	Enable			
					page				
3	linkUpdate	Hyperlink		Click	Link to Update Faculty page	Enable			
4	linkDelete	Hyperlink		Click	Link to Delete Faculty page	Enable			

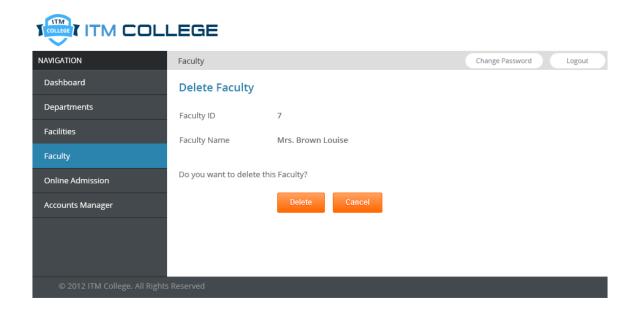
# 10. Administrator - Faculty - Add/Edit Form



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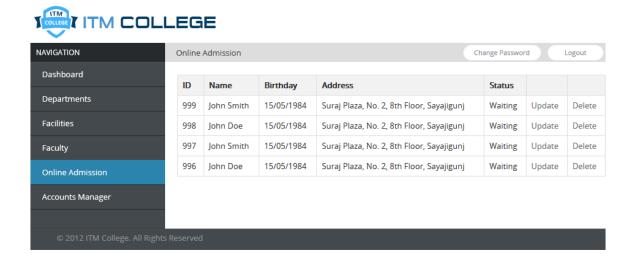
	Add / Edit Faculty									
No. Name Type Validation Event Description					Description	Status				
1	txtFacultyName	Text Box	Not Null Length: 250		Name of Faculty	Enable				
2	txtFacultyImage	Text Box	Length: 250		Image of Faculty	Enable				
3	txtDepartment	Dropdown List			Department of Faculty	Enable				
4	txtOrder	Text Box			Display order of Faculty	Enable				
5	txtDescription	Text Box			Description of Faculty	Enable				
6	ButtonSubmit	Button		Click	Process Add/Edit Faculty	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

# 11. Administrator - Faculty - Delete



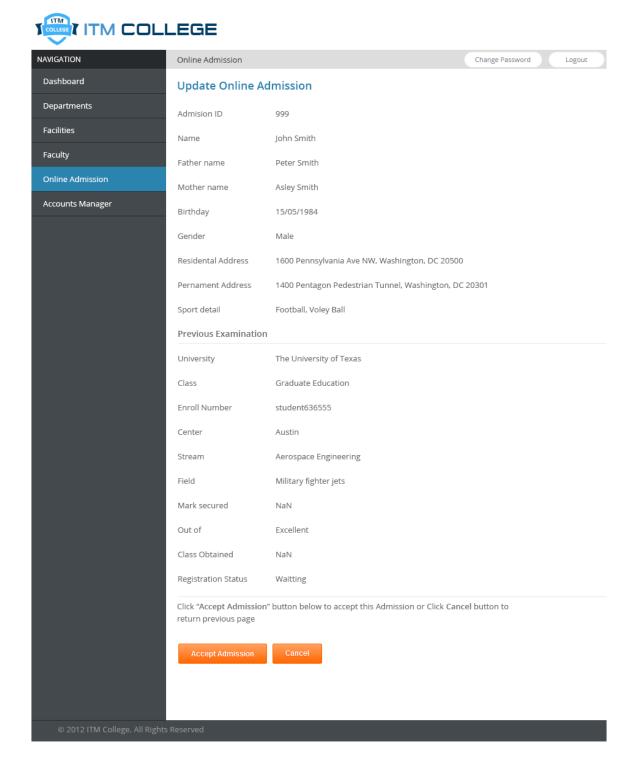
	Delete Faculty									
No. Name Type Validation Event Description						Status				
1	lblFacultyID	Label			ID of Faculty	Enable				
2	lblFacultyName	Label			Name of Faculty	Enable				
3	ButtonDelete	Button		Click	Process Delete Faculty	Enable				
4	ButtonCancel	Button		Click	Return previous page	Enable				

## 12. Administrator - Online Admission



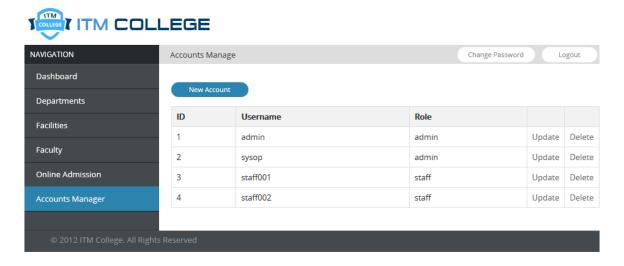
Online Admission									
No. Name Type Validation Event Description						Status			
1	linkUpdate	Hyperlink			Link to Update Admission Page	Enable			
2	2 linkDelete Hyperlink Click Link to Delete Admission Page Enable								

# 13. Administrator - Online Admission - Update



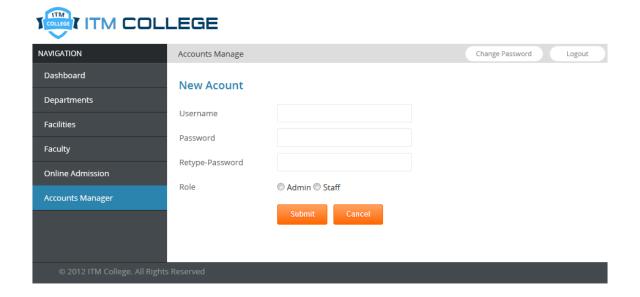
			Online	Admissi	on	
No.	Name	Туре	Validation	Event	Description	Status
1	IbIAdmissionID	Label			ID of Admission	Enable
2	IblName	Label			Registered admission name	Enable
3	lblFatherName	Label			Registered admission Father name	Enable
4	IblMotherName	Label			Registered admission mother name	Enable
5	lblBirthday	Label			Registered admission birthday	Enable
6	lblGender	Label			Registered admission gender	Enable
7	IblResidentialAddress	Label			Registered admission Residential address	Enable
8	IblPermanentAddress	Label			Registered admission Permanent Address	Enable
9	IblSportDetail	Label			Registered admission Sport	Enable
10	IblUniversity	Label			Registered admission previous University	Enable
11	IblClass	Label			Registered admission previous class	Enable
12	IblEnrolNumber	Label			Registered admission previous Enrol Number	Enable
13	IblCenter	Label			Registered admission previous center	Enable
14	IblStream	Label			Registered admission previous stream	Enable
15	lblField	Label			Registered admission previous field	Enable
16	IblMarkSecured	Label			Registered admission previous mark secured	Enable
17	lblOutOf	Label			Registered admission previous Out of	Enable
18	IblClassObtained	label			Registered admission previous Class obtained	Enable
19	IblRegistrationStatus	Label			Status of Admission	Enable
20	ButtonAccep Admission	Button		Click	Process Accept Admission	Enable
21	ButtonCancel	Button		Click	Return previous page	Enable

## 14. Administrator - Accounts



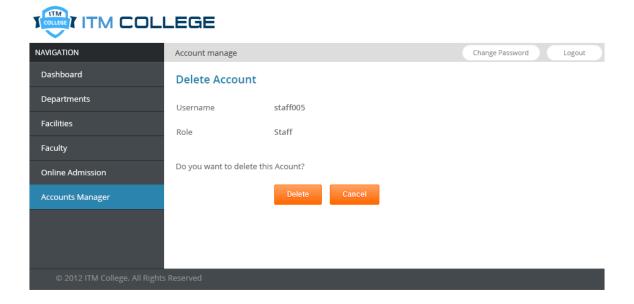
Administrator – Accounts									
No. Name Type Validation Event Description State						Status			
1	linkUpdate	Hyperlink		Click	Link to Update Admission Page	Enable			
2	linkDelete	Hyperlink		Click	Link to Delete Admission Page	Enable			
3	linkNewAccount	Hyperlink		Click	Link to New Account Page	Enable			

## 15. Administrator - Account - Add/Edit Form



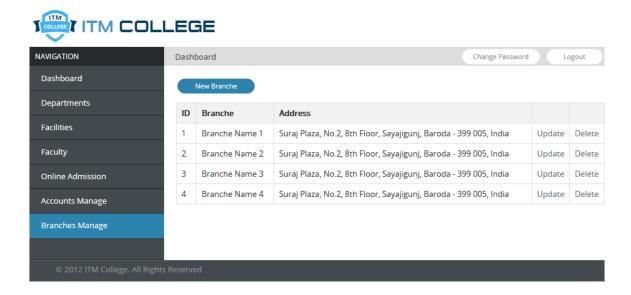
	Administrator – Accounts – Add/Edit Form									
No.	Name	Туре	Validation	Event	Description	Status				
1	txtUsername	Textbox	not null		Username of new account	Enable				
2	txtPassword	Textbox (Password)	not null		Password of new account	Enable				
3	txtRetype- Password	Textbox (Password)	not null equal Password		Confirm password of new account	Enable				
4	radAdmin	Radio	checked	click	Role of new account	Enable				
5	radStaff	Radio	checked	click	Role of new account	Enable				
6	ButtonSubmit	Button		Click	Process create/edit account	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

## 16. Administrator - Account - Delete



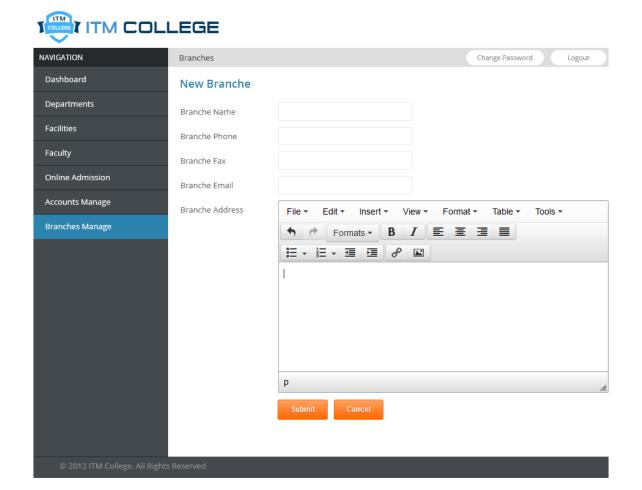
	Delete Account									
No. Name Type Validation Event Description						Status				
1	IblUsername	Label			Username of Account	Enable				
2	IblRole	Label			Role of Account	Enable				
3	ButtonDelete	Button		Click	Process Delete Account	Enable				
4	ButtonCancel	Button		Click	Return previous page	Enable				

#### 17. Administrator - Branches



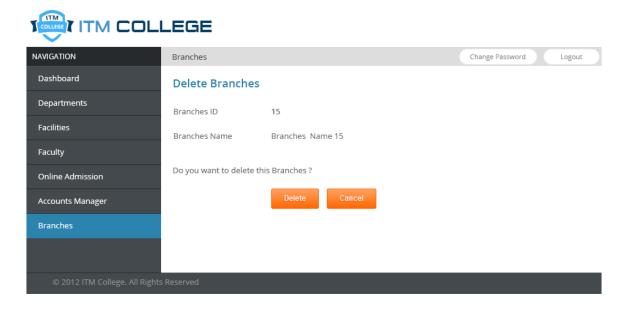
	Administrator – Branches									
No.	Name	Туре	Validation	Event	Description	Status				
1	linkUpdate	Hyperlink		Click	Link to Update Branches Page	Enable				
2	linkDelete	Hyperlink		Click	Link to Delete Branches Page	Enable				
3	linkNewBranches	Hyperlink		Click	Link to New Branches Page	Enable				

#### 18. Administrator - Branches - Add/Edit



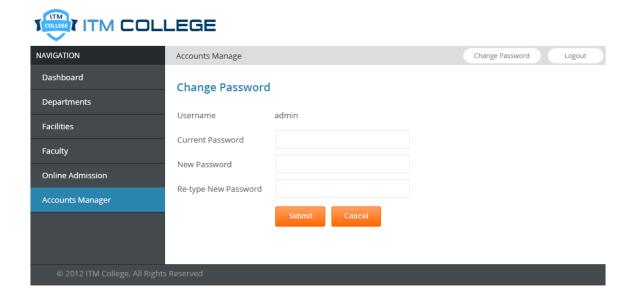
	Add / Edit Branches									
No.	Name	Туре	Validation	Event	Description	Status				
1	txtBranchesName	Text Box	Not Null Length: 250		Name of Branches	Enable				
3	txtBranchesPhone	Text Box	Length: 250		Phone of Branches	Enable				
4	txtBranchesFax	Text Box	Length: 250		Display order of Branches	Enable				
5	txtBranchesEmail	Text Box	Length: 250		Email of Branches	Enable				
5	txtDescription	Text Box			Description of Branches	Enable				
6	ButtonSubmit	Button		Click	Process Add/Edit	Enable				
7	ButtonCancel	Button		Click	Return previous page	Enable				

## 19. Administrator - Branches - Delete



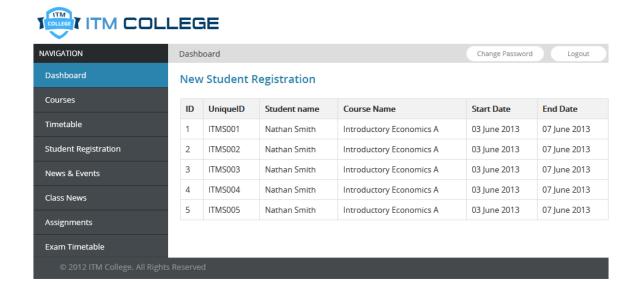
	Delete Branches									
No. Name Type Validation Event Description										
1	IblBranchesID	Label			ID of Branches	Enable				
2	IblBranchesName	Label			Name of Branches	Enable				
3	ButtonDelete	Button		Click	Process Delete Branches	Enable				
4	ButtonCancel	Button		Click	Return previous page	Enable				

# 20. Change Password

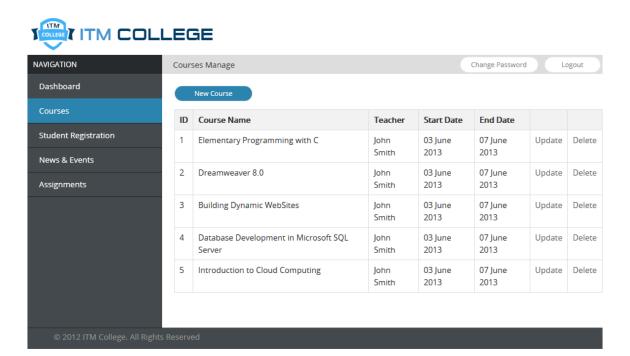


	Change Password								
No.	Name	Туре	Validation	Event	Description	Status			
1	IblUsername	Label			Username of Account	Enable			
2	txtCurrentPassword	Textbox (Password)	not null		Current password of Account	Enable			
3	txctNewPassword	Textbox (Password)	not null		New password	Enable			
4	txtRe- typeNewPassword	Textbox (Password)	not null equal New Password		Re-type new password	Enable			
5	ButtonDelete	Button		Click	Process Change Password	Enable			
6	ButtonCancel	Button		Click	Return previous page	Enable			

#### 21. Staff Dashboard

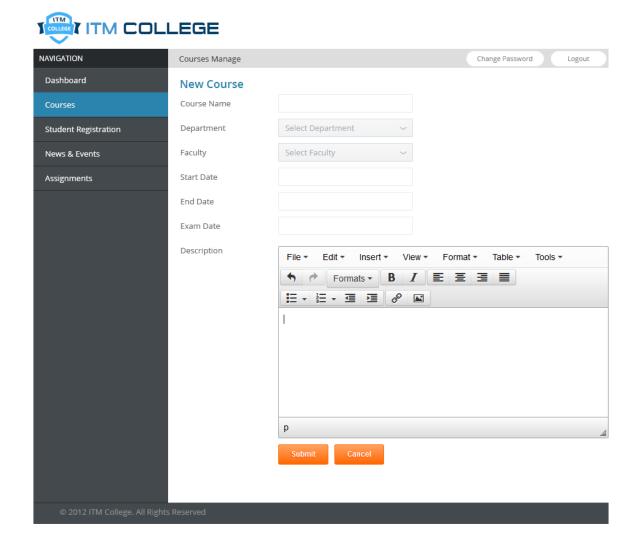


#### 22. Staff - Courses



	Courses Manage						
No.	Name	Туре	Validation	Event	Description	Status	
1	linkNewCourse	Hyperlink		Click	Link to Create Course page	Enable	
2	linkUpdate	Hyperlink		Click	Link to Update Course page	Enable	
3	linkDelete	Hyperlink		Click	Link to Update Course page	Enable	

## 23. Staff - Course - Add/Edit

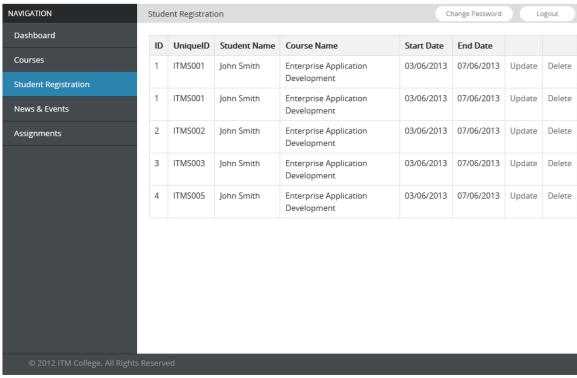


	Add/Edit Course							
No.	Name	Туре	Validation	Event	Description	Status		
1	txtCourseName	Textbox	not null		Name of Course	Enable		
2	txtDepartment	Dropdown List	Selected		Department of Course	Enable		
3	txtFaculty	Dropdown List	Selected		Faculty of Course	Enable		
4	txtStartDate	Textbox			Start date of Course	Enable		
5	txtEndDate	Textbox			End date of Course	Enable		
6	txtExamDate	Textbox			Exam date of Course	Enable		
7	txtDescription	Textbox (Multiline)			Description of Course	Enable		

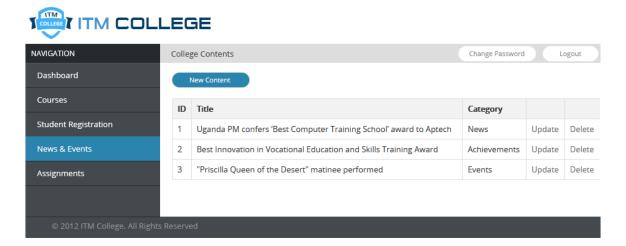
8	ButtonSubmit	Button	Click	Process add/edit course	Enable
9	ButtonCancel	Button	Click	Return previous page	Enable

#### 24. Staff - Student



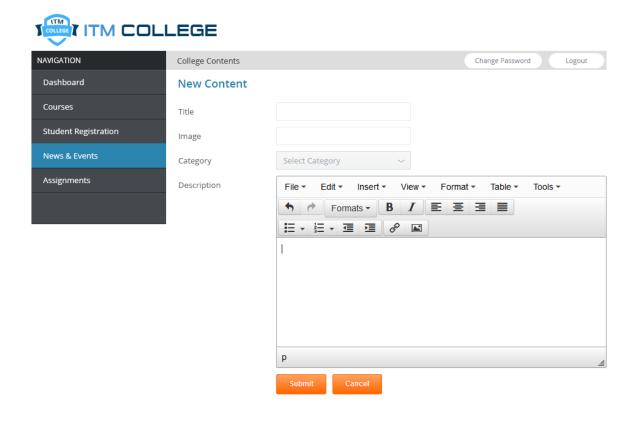


# 25. Staff - College Content



	College Contents						
No.	Name	Туре	Validation	Event	Description	Status	
1	linkNewContent	Hyperlink		Click	Link to Create Content page	Enable	
2	linkUpdate	Hyperlink		Click	Link to Update Content page	Enable	
3	linkDelete	Hyperlink		Click	Link to Update Content page	Enable	

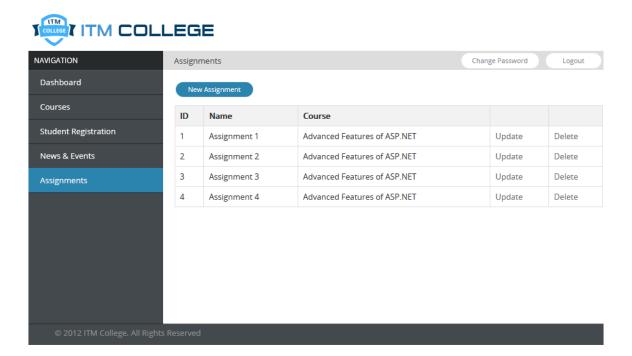
# 26. Staff - College Content - Form



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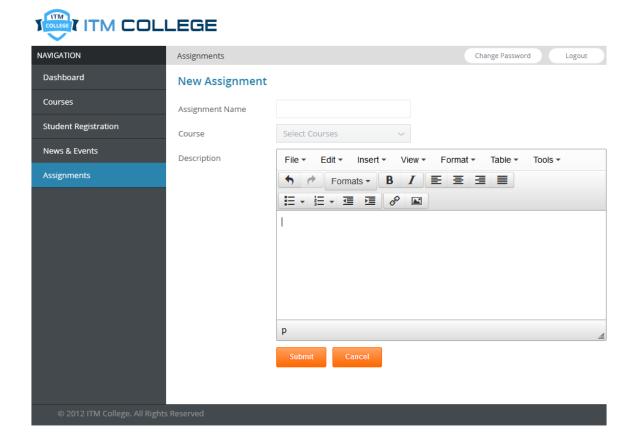
	Add/Edit College Contents							
No.	Name	Туре	Validation	Event	Description	Status		
1	txtTitle	Textbox			Title of Content	Enable		
2	txtlmage	Textbox			Image of Content	Enable		
3	listCategory	Dropdown List			Select Content category	Enable		
4	txtText	Textbox			Text of Content	Enable		
5	ButtonSubmit	Button			Process add/Edit Content	Enable		
6	ButtonCancel	Button			Return previous page	Enable		

# 27. Staff - Assignment



Staff - Assignments						
No.	Name	Туре	Validation	Event	Description	Status
1	linkNewAssignment	Hyperlink		Click	Link to Create Assignment page	Enable
2	linkUpdate	Hyperlink		Click	Link to Update Content page	Enable
3	linkDelete	Hyperlink		Click	Link to Update Content page	Enable

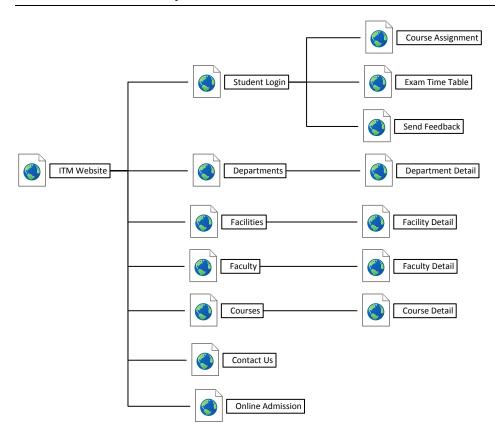
# 28. Staff - Assignments - Add/Edit



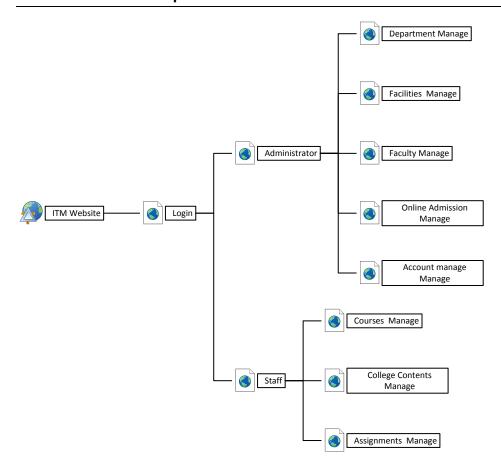
	Add/Edit Assignment								
No.	Name	Туре	Validation	Event	Description	Status			
1	txtAssignmentName	Textbox			Name of Assignment	Enable			
2	listCourse	Dropdown List			Select Assignment's Course	Enable			
3	txtDescription	Textbox			Description of Assignment	Enable			
4	ButtonSubmit	Button			Process add/Edit Assignment	Enable			
5	ButtonCancel	Button			Return previous page	Enable			

# IV. Sitemap

#### 1. Front-End Sitemap



# 2. Back-End Sitemap



# V. Task sheet review 3

Project Ref. No: 2	Project Title: ITM College Management	Date of Preparation of Activity Plan			
No.	Task	Actual Start Date	Actual Days	Team Member Name	Status
01	Database Relationship Diagram			Le Ngoc Nhut Tran Dung Tri Tran Van Hai	Completed
02	Database Structure	May 04, 2013	10	Le Ngoc Nhut Tran Dung Tri Tran Van Hai	Completed
03	Database Constraints	May		Le Ngoc Nhut Tran Dung Tri Tran Van Hai	Completed
04	GUI Designs			Nguyen Vu Hung	Completed

	Prepare By: Group	Approved By: Faculty
	Team Leader	
Date: May 14, 2013		
	Nguyen Vu Hung	Tran Phuoc Sinh