

# American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation
Project Report
Fall 21-22

**Project Title: University Portal System** 

Section: J

Student Name	Student Id	
Jarin Tasnim	19-39394-1	
Khalak Bin Khair	18-38697-3	
Shadman Shakib Aditto	18-38937-3	
Rubab Zaman Anika	18-38860-3	

### **Introduction:**

University portal provides an engaging student experience with a single point of access and hub to all applications, information, note and content. Often it can be seen that students are struggling with their studies to fine notes & also struggle to find information about university to help them out. For that reason, we want to develop this site where student, Parent can find their accessories and also the information easily & faculty can also find the information about the student and can provide the important accessories.

### **Background Study:**

Reference site: <a href="https://www.aiub.edu/">https://www.aiub.edu/</a>

We studied and observed. American International University Bangladesh (AIUB) website and got the idea. We think it will be the great task to implement as a learner in Web Technologies. However, as we are four in member so we decided to do individual and make 4 different users They are Admin, Student, Parent, Faculty respectively. Each user makes 12 features severally. During create these features we use File system, Cookie, Session, Html, Validation, File upload system etc. After that, we follow layer architecture to understand the functionality. An Index.php file is created to reach the root file automictically by using xampp. Our Aim is to make efficient for every users where they can use all the components what they want. We believe it is the finest example of a university based portal. Also our goal is to develop this system day by day.

### **Requirement Analysis:**

1. User Category:

There are 4-types of Users here. They are:

- Admin
- Student
- Parents
- Faculty
- 2. Feature List:

In this project the "Admin" has the following features:

- Manage profile=>where admin can edit their profile
- Add =>Admin can add parents, student, teacher
- Remove=> Admin can remove parents, student, teacher
- Application=>admin can check application and approve or reject it.
- academic calendar=> admin can Control academic calendar
- student schedule => admin can Control student schedule
- teacher schedule => admin can Control teacher schedule
- add notice=> admin can add notice
- Admin can an add admission info



- Admin can edit student profile
- Admin can edit teacher profile
- Admin can control students CGPA

### In this project the "Student" has the following features:

- Academic Calendar =>Student can show Academic Calendar
- Class Schedule =>Student can show class schedule
- Show Courses and result =>Student can Show his/her result
- Library Info =>Student can show Library information
- Upload Assignment=> Student Can Upload any assignment.
- Show CGPA =>Student Can see his/her CGPA
- Show Teachers biography => Student Can see Teacher Biography
- Show Students Profile =>Student Can see his profile
- Update Students Profile =>Student Can update his profile
- Show Notification =>Student Can show Notification
- Files Section => Student can Check all the files.
- Application to Admin =>If any changes student can apply admin
- Send Message to Faculty =>Student can send message to the faculty.

### In this project the "Parents" has the following features:

- Parents can Registration
- Parents can view students Profile
- Parents can show students results
- Parents can Consult with faculty about student
- Parents can manipulate their own profile information like Edit, delete and view
- Parents can Notify admin about their registration
- Parents can view student's assignments due dates
- parents can search faculty's information
- Parents can view Payment history
- parents can generate pdf of payment history
- Parents can view faculty information
- Parents can view student's attendance

### In this project the "Faculty" has the following features:

- Class schedule => Teacher can check his/her schedule/class timing.
- Student details =>Teacher can see his/her student's details for each section.
- Appointed class => Teacher can check his/her appointed class list.
- Provide notice =>Teacher can provide notice for his/her class (per section.).
- Update or remove notice =>Teacher can remove update existing notice.
- Provide grade =>Teacher can provide grade for per section students.
- Upload class notes =>Teacher can upload class notes for each section.
- Update class notes =>Teacher can update his/her class notes.
- Application=>Teacher can send application to higher authority.
- Application status =>Teacher can check application status whenever approved or not.
- Salary details =>Teacher can see his/her own salary details.
- Account details => Teacher can see his/her account details.



### **Design:**

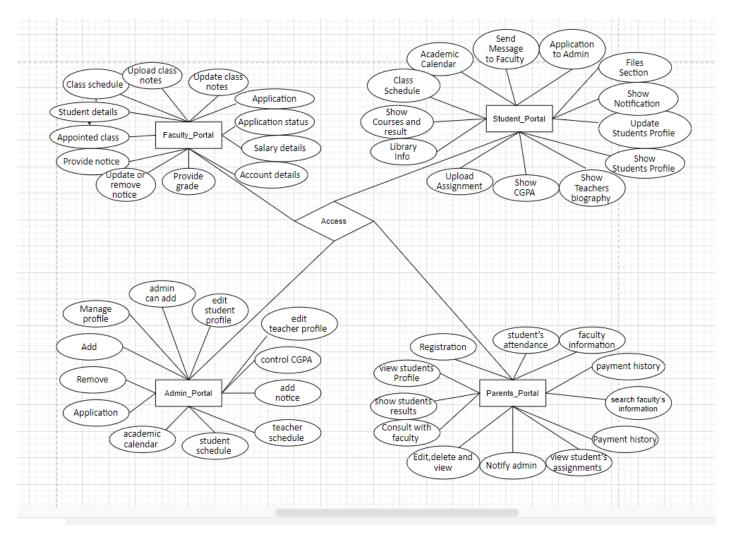


Fig: An ER Diagram

### **Tools Used:**

To develop this project, we have used the following:

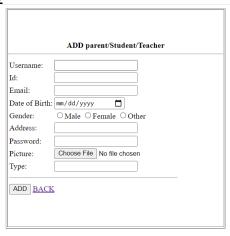
Microsoft Visual Studio



- Xampp
- Draw.io

# **System Images against the Specification():**

### **Admin:**



### Back logout

N	NAME	ID	EMAIL	Gender	Date Of Birth	Password	Address	User Type	
1	jack	1234-111	kazi_shezan@yahoo.com	Male	1993-03-10	123	dhanmondi	teacher	EDIT   REMOVE
2	zara	20-12341-1	tasnkita.2000@gmail.com	Female	1999-06-08	123	dhanmondi	student	EDIT   REMOVE
3	minu	122-555441-1	jererety12@gmail.com	Female	1965-02-10	123	dhanmondi	parent	EDIT   REMOVE

### **Teacher Schedule**

### Back|||Add Teacher Schedule

CLASS START TIME	CLASS END TIME	TEACHER ID	SUBJECT
8:00	11:00	113-3313-1	C++
11:00	2:00	113-3313-1	C##
11:00	12:30	112-2212-1	English
12:30	2:30	112-2212-1	RM
12:30	2:30	112-2212-1	WEB
3:00	4:00	1234-1113-1	RM
3:00	4:00	19-2211-1	RM
2:00	4:00	132-21231-1	COA
11:00	2:00	123-98032-1	Math
2:00	11:00	19-39394-1	RM
Submit			



	CLASS START TIME: END	TEACHER ID:	Subject:	
l		Add	d_Teacher schedule	
I			BACK	
l				

### Student Schedule

### Back|||Add Student Schedule

Student ID	Subject_1(8-11)	Subject_2(11-2)	Subject_3(11-12.30)	Subject_4(12.30-2.30)	Subject_5(4-5)
11-1234-1	RM		Math	Web	
11-4567-1	English	Rm	COA	Web	
11-4567-1		Rm	Math	COA	
14-8763-1	English			Web	rm
12-4332-4	RM	MATH			
15-43890-4	RM				web
11-9049-1	C#		math		web
12-4332-4	RM				

Student ID:	
Subject_1(8-11): Subject_2(11-2): Subject_3(11-12.30): Subject_4(12.30-2.30): Subject_5(4-5):	
Subject_5(4-5):	Add_Student schedule
	BACK

### **Student CGPA**

### Back

Student ID	NAME		CGPA	current CGPA
11-1234-1	JACK	3.70	Show CGPA	3.70
11-9049-1	MIMI	3.80	Show CGPA	3.86
14-94332-1	Jhon	3.84	Show CGPA	3.84
15-94432-1	coco	3.69	Show CGPA	3.69
12-93934-1	MOMo	3.75	Show CGPA	3.75

<u>Application</u>	
Dear Sir/Mam,  I am Ben Brown, an incoming freshman, and I'm very much looking forward to attending University College this fall.My family has, unfortunately, experienced an extreme setback in our financial situation. Just a day after receiving my award information, my father lost his job. After 30 years at The Widget Factory he was unexpectedly let go. He is our family's main income provider. My mother remains employed, but she works part-time at a minimum wage retail job. Consequently, we are suddenly unable to provide the additional funds I'll need for outstanding tuition, books, and expenses. So i need financial aid package.	Accept Recect
Dear Sir/Mam, I am mina, I want to declare my major software engineer. Id:12-444-2	Accept Recect
BACK	



# University Portal System Back |||Add Academic Calender Info

	Reg	gular Students and Masters' Freshman Class : <u>Sept</u>	ember 12, 2021
202	1		
	9 (Thursday)	New Teachers' orientation	
	12	First Day of Classes (Regular and Masters' Freshman	Classes)
	16	General Meeting	
Sep	16 & 19	Adding/ Dropping	
	19	Submission of TSF and course description(Regular ar	nd Masters' Freshman Classes)
	26	Automatic conversion of UW, I, blank grades of Sum	mer 2020-21 Semester to F
	3	Submission of TSF and course description(Undergrad	luate Freshman Courses)
	7 (Thursday)	Makeup of Sunday Classes	
		Makeup of Monday Classes	
Oct	21	Submission of mid semester assessment plan to VC's	office
	16 - 21	Mid Semester Laboratory Assessment	
	23 – 28	Mid Semester Assessment	
	4	Submission of mid semester grades	
	21 - 25	TPE	
Nov	, 25	Mid semester Grades Locked	
1101	21 - 25	Pre-registration for Spring 2021-22	
	27 – Dec 9	Final Laboratory Assessment	
	4	Submission of mid semester grades	
	9	Submission of original final assessment plan to VC's	office
		Final Assessment	
Dec	26	Submission of Final Grades	
	Dec 19 –	Semester break	
	Jan 15, 2022	Release of grades	
		Final Registration for Spring 2021-22	
20			Grades lock final

	<u>ADMISSION</u>		
	$\underline{Back}    \underline{Add Admission Info}$		
Admission Schedule for SPRING 2021 - 20	)22 (Slot-1)		
Online Admission Form open:	October 14, 2021		
Deadline for Online Admission Form Submission :	November 04, 2021		
Online Admission Viva Schedule:	November 06 - 09, 2021  * Candidates will be contacted from the respective department and specific online viva schedule will be set for each candidate. If not contacted within these dates, please query with the Admission Information Department Office.		
Admission Result:  November 12 - 13, 2021 homepage noticeBoard			
Online Admission of Selected Candidates (Slot - 1):	November 14 - 18, 2021		
Orientation	January 15, 2022 (Tentative)		
jarin day	January 43, 2022 (Tentative)		
Class start	15		
Grades lock	January 15, 2022 (Tentative)		

NOTICE: DATE:
Add Admission Info
<u>BACK</u>
ADD Notice
ADD Notice  Back  Show add notice
Back  Show add notice
Back  Show add notice  Notice: Choose File No file chosen



### ADDED Notice

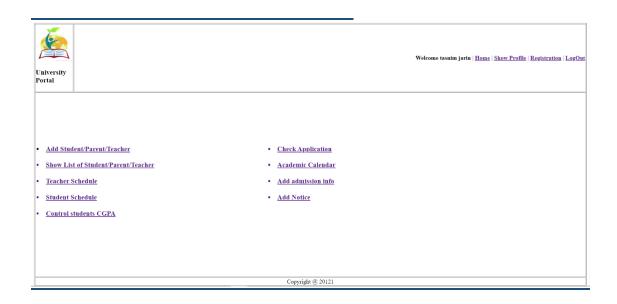
### BACK







	EDIT parent/Student/Teacher
Username:	
Id:	
Email:	
Date of Birth:	mm/dd/yyyy 📋
Gender:	○ Male ○ Female ○ Other
Address:	
Password:	
Picture:	Choose File No file chosen
Type:	
ADD BACK	





# **Student Portal:**



	Academic Calender	
1	Regular Students and Masters' Freshman Class : <u>September 12, 2021</u>	
Sep 9th	New Teachers' orientation	
12	First Day of Classes (Regular and Masters' Freshman Classes)	
16	General Meeting	
16 & 19	Adding/ Dropping	
19	Submission of TSF and course description(Regular and Masters' Freshman Classes)	
26	Automatic conversion of UW, I, blank grades of Summer 2020-21 Semester to F	
Oct 3rd	Submission of TSF and course description(Undergraduate Freshman Courses)	
7 (Thursday)	Makeup of Sunday Classes	
9 (Saturday)	Makeup of Monday Classes	
21	Submission of mid semester assessment plan to VC's office	
16 – 21	Mid Semester Laboratory Assessment	
23 – 28	Mid Semester Assessment	
Nov 4th	Submission of mid semester grades	
21 - 25	TPE	
25	Mid semester Grades Locked	
21 - 25	Pre-registration for Spring 2021-22	
27 – Dec 9	Final Laboratory Assessment	
Dec 4th	Submission of mid semester grades	
9	Submission of original final assessment plan to VC's office	
4 - 18	Final Assessment	
26	Submission of Final Grades	
Dec 19 –	Semester break	
Jan 15, 2022	Release of grades	
Juli 15, 2022	Final Registration for Spring 2021-22	
	Back	



<u>Class Schedule</u>			
Date	Time	Course Name	Room
Today		No Class On This Day	
Tomorrow		No Class On This Day	
24-Oct-2021	8.00AM-10.00 12.30PM-2.00 2.00PM-5.00	Advance Database Managemnet System[B] Computer Vision and Pattern Recognition[A] Operating System [C]	DS0502 1006 DS0108
25-Oct-2021	12.0PM-2.00 2.00PM-5.00	Chemistry[J] Web Technologies[J]	DN0411 DS0204
26-Oct-2021	8.00AM-11.00 12.30PM-2.00 2.00PM-4.00	Advance Database Managemnet System[B] Computer Vision and Pattern Recognition[A] Operating System [C]	DS0502 1006 DS0108
27-Oct-2021	11.0AM-2.00 2.00PM-4.00	Chemistry[J] Web Technologies[J]	DN0411 DS0204
28-Oct-2021		No Class On This Day	
29-Oct-2021		No Class On This Day	

**Back** 

### **Teachers Biography** DR. MD. MAHBUB DR. KAMRUDDIN Dr. DEBAJOYTI REZWAN AHMED CHOWDHURY MD.AL-AMIN MD. NUR KARMEKAR MISHU COMPUTER VISION ADVANCE DATABASE DATA WAREHOUSING MANAGEMENT OPERATING SYSTEM WEB TECHNOLOGIES AND PATTERN AND DATA MINING RECOGNITION SYSTEM Md.Al-Amin currently Rezwan Ahmed, is an working as a lecturer in the Assistant Professor in the Computer Science department of Computer Department, American Science at American International University-I am working as an International University Assistant professor in the Bangladesh (AIUB). Bangladesh (AIUB). He Besides his teaching department of computer joined the department as a science at American profession, he is actively Lecturer in year 2010. He doing R&D projects on freelance platforms for International Universityreceived his MSc degree Bangladesh. I worked as from the KTH, The Royal Postdoctoral Research different clients across the Dr Kamruddin Nur is Institute of Technology in I am an Assistant Professor globe. He is also Fellow at Australian currently serving as an Software Engineering of & Head of Computer National University supervising research & Associate Professor in the Distributed System and Science at American (ANU), and Stanford development teams & Department of Computer received his BSc degree International University-University. Before providing technical Science at American from the American Bangladesh (One of the top joining ANU, I consultancy. He received his International University International Universityranked private universities completed my Ph.D. Bachelor's in Software Bangladesh Before that h Bangladesh in Computer in Bangladesh). My role from The University of Engineering and Master's has served as the Science. In his teaching ncludes ensuring world Queensland (UQ). My degree in Computer Science department chairman at Career, most of the time class teaching environment research interests are in and Engineering (CSE) Stamford University he taught Advance for our learners and from American Internation Deep Learning.

### Application to Admin

Subject: Application for the Post of {Software Developer}

Dear Mr./Ms./Mrs. {Recipient's Name}.

This is regarding your post on {Portal} about a vacancy in your company for the role of Software Developer. Please accept my application for the same.

Here is a brief about myself. I have completed <u>B.Tech</u> in Computer Science from {Institute Name}. I secured {Marks/Grade} in my final exams and passed with {distinction/Percentage}.

During my studies, I participated in various tech fests and also won a gold medal for creating an app from scratch in an inter-university

I am confident that I have the skills to excel at your dynamic <u>organisation</u>. I have always dreamed of being a part of your company due to the development opportunities you provide. I request you to give me an opportunity to learn and grow at your esteemed firm through this job

Please refer to my resume and cover letter, attached with the email, for detailed information.

Thank You.

Yours sincerely, {Your Name}

|{Your Name} |Mobile:{Your Contact Number} |Email Id:{Your Email Address)

Send Back

### Sent Message To Faculty

Subject: Regarding Operating System

Dear Mr./Ms./Mrs. {Recipient's Name},

This is regarding your post on {Portal} about a vacancy in your company for the role of Software Developer. Please accept my application for the same.

Here is a brief about myself. I have completed BSc in Computer Science from {Institute Name}. I secured {Marks/Grade} in my final exams and passed with {distinction/Percentage}.

During my studies, I participated in various tech fests and also won a gold medal for creating an app from scratch in an inter-university tech competition.

I am confident that I have the skills to excel at your dynamic organization. I have always dreamed of being a part of your company due to the development opportunities you provide. I request you to give me an opportunity to learn and grow at your esteemed firm through this job role.

Please refer to my resume and cover letter, attached with the email, for detailed information.

Yours sincerely, {Your Name} Mobile:{Your Contact Number} Email Id:{Your Email Address)

Send Back

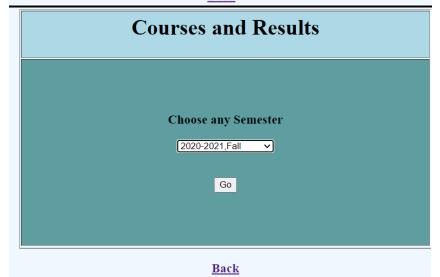
Semester Grade Report		
Student ID	•	18-38697-3
Student Name	:	Khalak Bin Khair
Credits Completed	:	118
Courses Completed	:	45
CGPA	:	3.60

**Back** 



	Show Notification	
No	Info	Date
1	New notes uploaded By REZWAN AHMED	4 Days ago
2	New notes uploaded By MITHUN SARKER	8 days ago
3	New notes uploaded By REZWAN AHMED	8 days ago

**Back** 



2020-2021,Fall

<u>Courses</u>	<u>Grade</u>	<u>Marks</u>
ALGORITHMS	A+	94
INTRODUCTION TO DATABASE	B+	82
INTEGRAL CALCULUS & ORD. DIFF EQUATION	B+	84
COMPILER DESIGN	A+	96

Back | Go to Homepage





Profile picture: Choose File No file chosen

Blood Group: A+ 🗸

Address:

Password: ••••

Update Back



COURSE PLAN(WEB) download	Finished Project Report(WEB) download
HTML-FORM(WEB) download	ASSESSMENT TASK(WEB) download
Slide 1(OS) download	Term Project Proposal(WEB) <u>download</u>
Slide 2(OS) download	Term Project Proposal(WEB) download

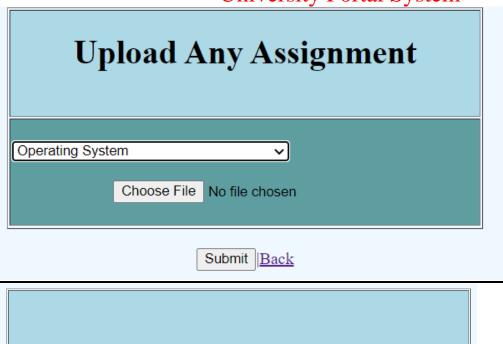
### **Back**



# <u>Library Information</u>

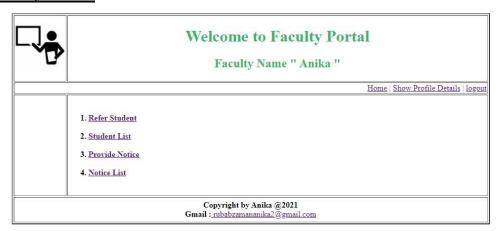
Book Name	Auther Name	Borrow Date	Credit
HTML & CSS, and JavaScript & JQuery	Jon Duckett	27.04.2021	
Eloquent JavaScript, 3rd Edition	Marijn Haverbeke	05.07.2021	500
You Don't Know JS	Kyle Simpson	25.02.2021	50\$
Don't Make Me Think	Kyle Simpson	29.02.2021	

**Back** 





### **Faculty Portal:**



Back | logout

### See All Notice List

ID	Teacher Name	Department	Notice	Date	Action
1	Anika	BBA	Class in monday	2021-11-01	Edit Delete
2	Ani	EEE	Makeup class in sunday 2.00 pm	2021-20-12Ani EEE Makeup class in sunday 2.00 pm 2021-20-12Anika BBA Quiz in next class 2021-10-27	Edit Delete
3	Anika	BBA	Final exam in sunday class	2021-10-31	Edit Delete

		Back logout	
NOTICE STU	JDENT-		
Teacher Name	e:		
Department:			
Notice:			
Date:	mm/dd/yyyy 🗖		
	Create		

Refer Student to Admin

Username:

phone:
email:

Refer:

Create

Back logout

### **Profile Page**

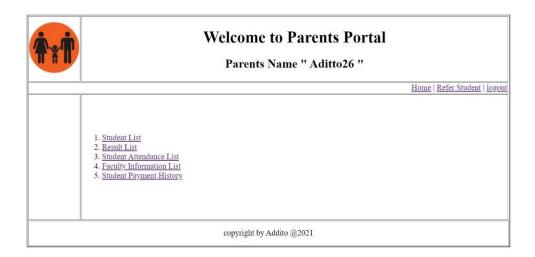
NAME : Anika	
EMAIL: rubabzamananika3@gmail.com	
DEPARTMENT : CS	
USER TYPE : Faculty	

Back logout

### See All Student Details

ID	USER NAME	USER NAME EMAIL		Action
1	Ani	ani02@gmail.com	Student	Edit Delete
2	Zaman	zaman@gmail.com	Student	Edit Delete
3	Anika	anika@gmail.com	Student	Edit Delete

### **Parents Portal:**



—Refer Stud	ent to Admin-	Back   logout
2000	Shadman	
phone:	01578565221	-
email:	shadman@gmail.com	╡
Refer:	<ul><li>Admin</li></ul>	
	Create	

Back | logout

### See All Student List

ID	USER NAME	EMAIL	USER TYPE	Action
1	Aditto	aditto12@aiub.edu	Student	Edit Delete
2	Shakib	shakib@aiub.edu	Student	Edit Delete

# University Portal System Back | logout Edit Record

Username:	Aditto	
Password:	1234	
Email:	aditto12@aiub.edu	
User Type:	Student	(Example: Admin, Faculty, Student , Perents)
	Update	

Back | logout

# **Show Student Result List**

Student ID	NAME	CGPA	
103	Shadman	3.6	
102	Shakib	3.68	
104	Aditto	3.5	
166	Adi	3.64	
109	Test	3.3	

Back | logout

# **Show Student Attendance List**

STUDENT ID	NAME	STATUS	ATTENDANCE Percentage
103	Shadman	Regular	90%
102	Shakib	Irregular	70%
104	Aditto	Regular	85%
166	Adi	Irregular	60%
109	Test	Regular	91%

Back | logout

### **Show All Faculty Information List**

FACULTY ID	NAME	EMAIL	DEPARTMENT	CONSULTING TIME
2203	Aditto	aditto@gmail.com	BBA	11:00am - 1:30pm
2202	Shadman	shadman@gmail.com	CS	12:00am - 2:30pm
2204	Shakib	shakib@gmail.com	CS	11:00am - 1:30pm
2266	Adi	adi@gmail.com	BBA	1:00pm - 3:30pm
2209	Alamin	alamin@gmail.com	CS	10:00am - 12:30pm

Back | logout

# **Show Student Payment Information**

STUDENT ID	NAME	1ST SEMISTER	2ND SEMISTER	3RD SEMISTER	PAYMENT STATUS
103	Shadman	1st Semister :40,000	2nd Semister :60,000	3rd Semister :60,000	Done
102	Shakib	1st Semister :40,000	2nd Semister :60,000	3rd Semister :60,000	Duo
104	Aditto	1st Semister :40,000	2nd Semister :60,000	3rd Semister :60,000	Done
166	Adi	1st Semister :40,000	2nd Semister :60,000	3rd Semister :60,000	Duo
109	Test	1st Semister :40,000	2nd Semister :60,000	3rd Semister :60,000	Done

### **Impact of this Project:**

This project aims to create an easy, faster and smooth communication system between the teachers ,the students and Parents. Often it can be seen that students are struggling with their studies to fine notes & also struggle to find information about university to help them out. Also teachers can easily provide the important accessories and find the information about the students. And parents will be able to take care of whether the son or daughter study Our site will benefit for them.

Limitations and Possible Future Improvements:



Communication system is always a changeable system. It develops day by day, getting better and better. Today what's look good is tomorrow becomes old. So we have to update it time to time. Now our site has only text messaging option to its user but we will start the voice messaging etc in the future.

CO1.1 and CO2.1 Evaluation: Project Report Evaluation							
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)		