INTRODUCTION TO THE PROJECT

NAME OF PROJECT

Student Education System (StudentForum.com)

DEFINITION

The Students Forum Helps students to Communicate with Each other

Beyond the Groups, Class, University.

- ✓ Student forum helps students by students.
- ✓ Here one student can create question in which other students can give their answers.
- ✓ Here students are given their own login semester wise. Student can ask question.

SCOPE OF WORK

- ✓ Student Forum works with students and admin.

- ✓ Student can ask questions and other student register in that semester can get the questions on their profile and give answers.

- ✓ The questioner can also delete the question

- ✓ Admin can add, remove courses, semester, subjects, students, other students.

AN EXISTING SYSTEM

→   In general students share their ideas, questions and answers from their colleges or friends through the intercom or direct manner. They need to spend time for their work.

1. Delete are enquire through phone.

2. It consumes more time.

3. They don't get proper answers.

NEED OF PROPOSED SYSTEM

- ✓ It is difficult to note down all the problems manually. Instead it is decided to develop an online student's forum to case the application.

- ✓ A system is require which is being capable of elimination all the problems become useful to users and thus the new system is derived.

- ✓ Here a different view from different users.

1. Interaction will be easier.

2. Student queries can be viewed by other students from hiss semester.

3. Less time consuming.

FEASIBILITY STUDY

- ✓ A feasibility study is undertaker to determine the possibility or probability of either improving the existing system or developing a completely new system.

- ✓ It helps to obtain an overview of the problem and to get rough assessment of whether feasible solution exists.

- ✓ This is essential to avoid committing large resources to a project and then repent on it later.

Need for feasible study:

1. Answer the question whether a new system is to be installed or not?

2. Determine the potential of the existing system.

3. Improve the existing system.

4. Know what should be embedded in the new system.

SYSTEM FEATURES

- ✓ Online student forums create nearly 100% participation of students
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- ✓ Student forum encourage preparation and thus improve in class participation.

- ✓ They help student being the process of analysis before class, so class discussion can go further than usual.

- ✓ Student forum help students get a wide variety of perspectives.

- ✓ They take the place of quizzes and tests that generally focus on retention of information. Instead the forum gets us focused on analysis.

- ✓ Student forum allow students to shape class discussion.

- ✓ Student forums are a great way of collaborating on constructing.

- ✓ They did in the sharing information and insight.

- ✓ They help students to start seeing themselves as writing for larger public not just for the teacher, but also for the entire class and even the larger world.

HARDWARE AND SOFTWARE

➔ This phase of the software development process details with a brief study of different hardware to use this system by client.

➔ There is a list of hardware and software during the use of proposed system as the new system to be made into a computerized functional system requirements of a computer is must.
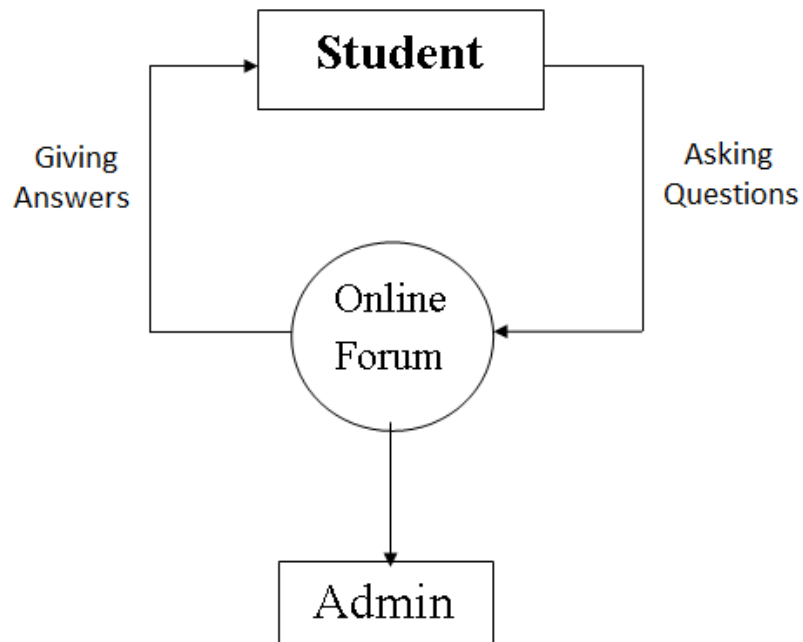
❖Hardware

Component	Minimum	Recommended
Processor	2.5 gigahertz(GHZ)	Dual processor that are each 3GHZ
RAM	1Gigabyte(GB)	2GB
Network	56kilobytes per second (kbps) connection between client computer and server	256kbps or faster connection between client computer and server

❖Software

✓ Operating system :- windows 2000 or later
✓ Front End :- PHP
✓ Back End :- MYSQL 2005

DATA FLOW DIAGRAM/OOAD/UML

❖Context level diagram

```
                    ┌─────────────────┐
                    │    Student      │
                    └─────────────────┘
        Giving                              Asking
        Answers                             Questions

                    ┌───────────┐
                    │  Online   │
                    │  Forum    │
                    └───────────┘

                    ┌───────────┐
                    │  Admin    │
                    └───────────┘
```

❖Zero Level Diagram

```
                              ┌─────────────┐
  ┌──────────┐  Getting Visit │     1.0     │   Update    ┌──────────┐
  │ Student  │───────────────▶│   Student   │────────────▶│   User   │
  │          │◀───────────────│ Register or │◀────────────│          │
  └──────────┘    Response    │Login process│   Get Info. └──────────┘
                              └─────────────┘


  ┌──────────┐                ┌─────────────┐
  │ Student  │◀───────────────│     2.0     │   Get Info
  │          │───────────────▶│             │◀────────────
  └──────────┘                │   Forum     │   Update Info
                              └─────────────┘

                              ┌─────────────────┐
                              │      3.0        │
                              │ Add Sub,Sem,    │  Update
                              │Course. Remove Sub,
                              │Sem, Course, Student,
                              │     Admin       │
                              └─────────────────┘
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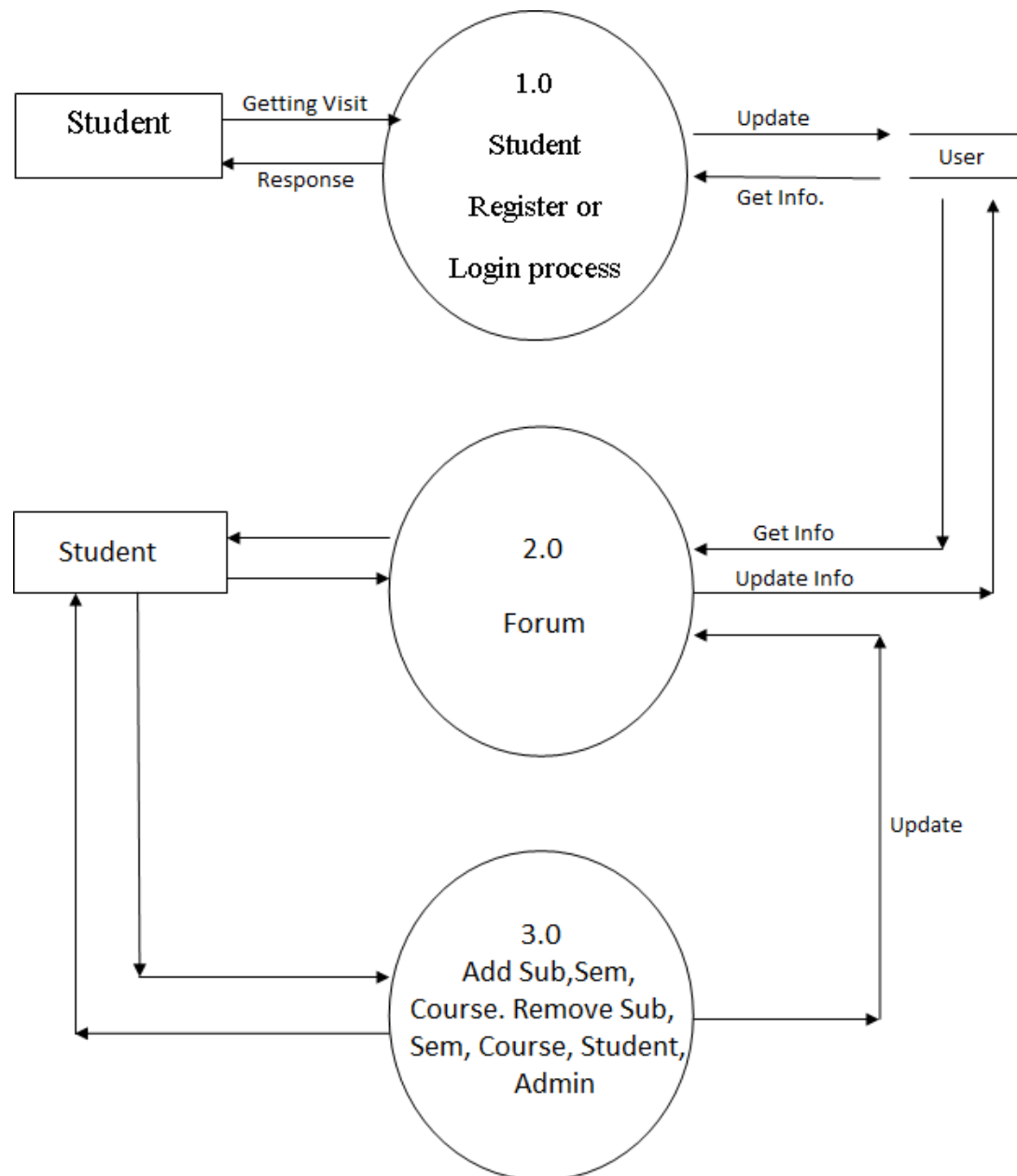
DATABASE LAYOUT

1. Admin(it shows details of Admin)

Field Name	Data Type	Extra
Uid	Int(50)	Auto Increment
Username	Varchar(50)	
Password	Varchar(50)	
Email	Varchar(50)	
Phonenumber	Varchar(50)	
Photo	Varchar(50)	

2. Users(it shows details of Users)

Field Name	Data Type	Extra
Uid	Int(50)	Auto Increment
Username	Varchar(50)	
Password	Varchar(50)	
Email	Varchar(50)	
Phonenumber	Varchar(50)	
Photo	Varchar(100)	
Course	Varchar(50)	
Sem	Varchar(20)	

3. Topic(it contain topics)

Field Name	Data Type	Extra
Id	Int(50)	Auto_Increment
Name	Varchar(100)	
Subject	Varchar(50)	

4. UG_Courses(it shows details of UG_Courses)

Field Name	Data Type	Extra
cid	Int(50)	Auto_Increment
C_name	Varchar(50)	

5. PG_Courses(it shows details of PG_Courses)

Field Name	Data Type	Extra
cid	Int(50)	Auto_Increment
C_name	Varchar(50)	

6. C_name(shows semester in the course)

Field Name	Data Type	Extra
S_id	Int(50)	Auto_Increment
sem	Varchar(50)	

7. C_name_sem(shows subject int semester)

Field Name	Data Type	Extra
Sub_id	Int(50)	Auto_Increment
Sub	Varchar(50)	

8. Question(contains all Question)

Field Name	Data Type	Extra
Q_id	Int(100)	Auto_Increment
q_name	Varchar(200)	
q_create	Varchar(50)	
Time	Datetime(6)	
Subject	Varchar(50)	
Course	Varchar(10)	
Sem	Varchar(10)	
Topic	Varchar(100)	

9. Que_(q_id)(contains answer of q_id question)

Field Name	Data Type	Extra
r_id	Int(50)	Auto_Increment
Replier	Varchar(50)	
Reply	Varchar(200)	
Time	Datetime(6)	
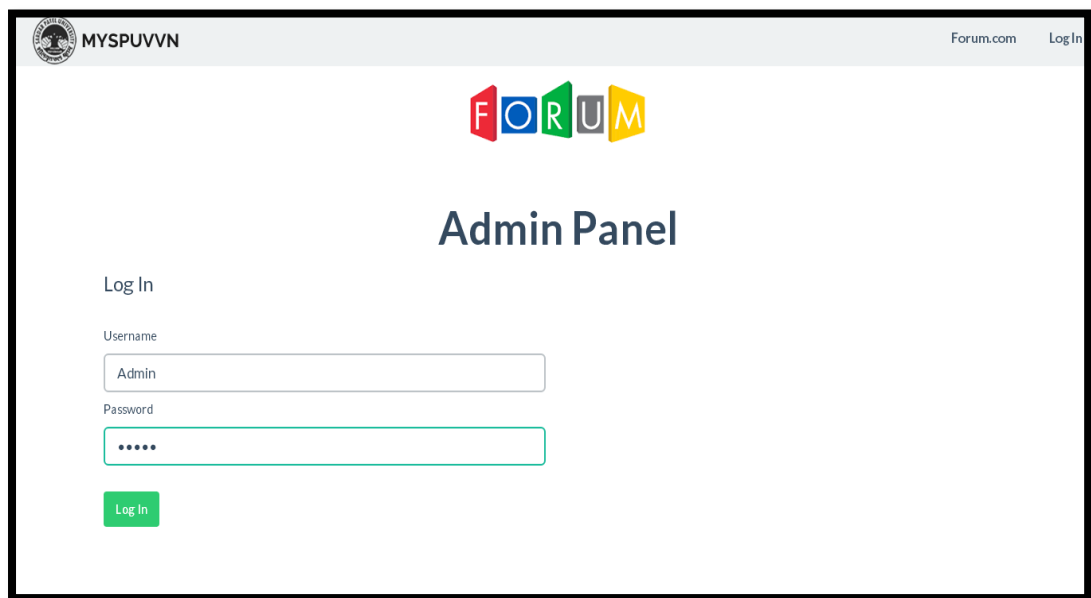
10.Reviews(contain reviews given by students)

Field Name	Data Type	Extra
r_id	Int(50)	Auto_Increment
Rev	Varchar(100)	
R_giver	Varchar(20)	
Time	Datetime(6)	

DESIGN OF INPUT SCREEN

ADMIN PANEL:
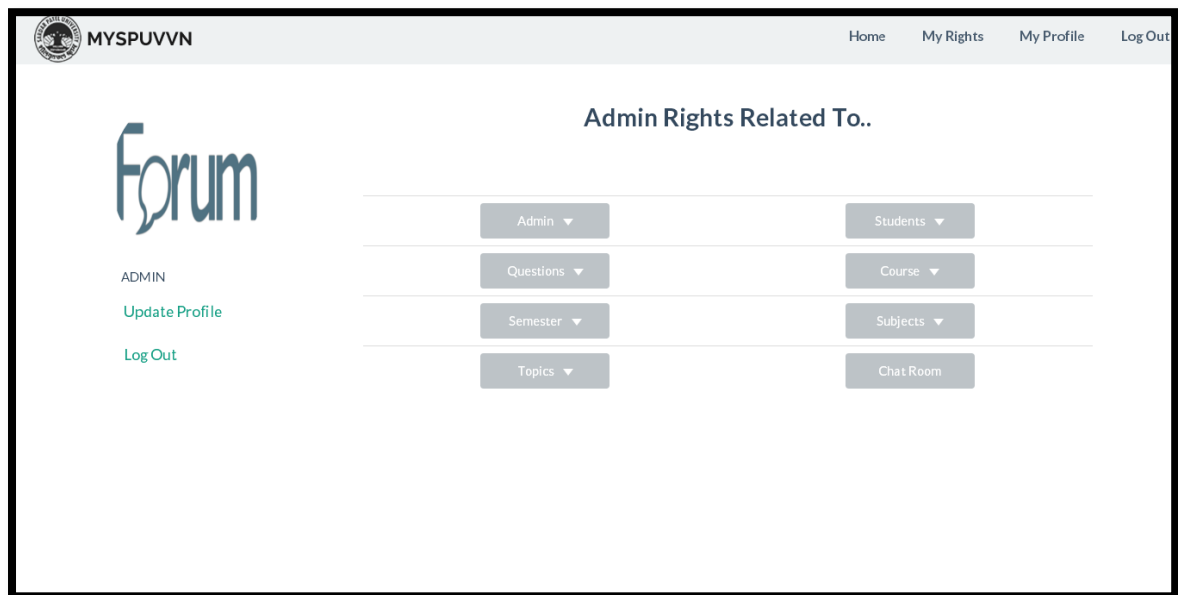
(i) Admin Login:

By which Admin can log in to Admin Panel and can manage features.

(ii)Admin Rights:

On This page Admin gets all the Rights Related to Forum.

CLIENT SIDE:

(i)User Login:
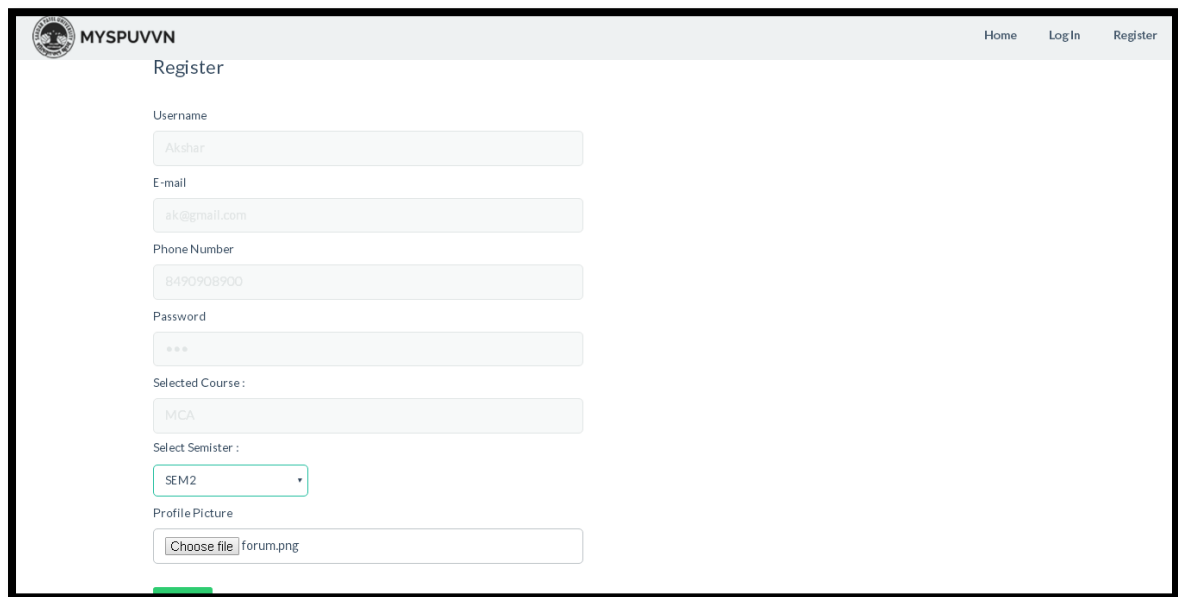
User will Login on after giving correct Username Password.

(ii)User Register:

User can Register on This Page.

(iii)User: Ask Question :
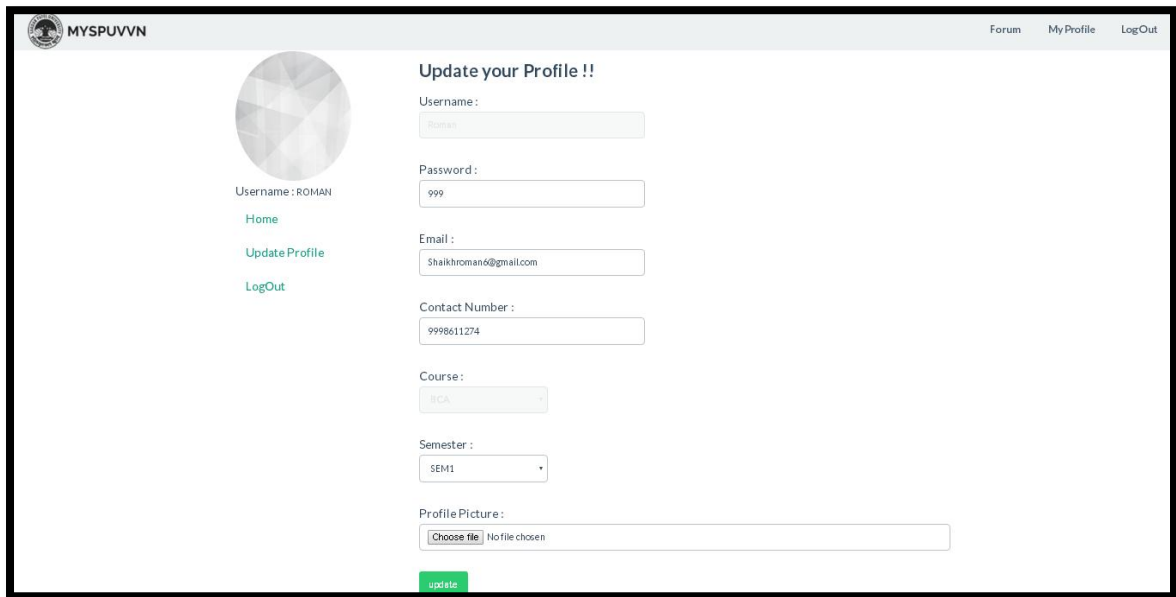
Here User can ask a Question.

(iii)User: Update Profile:

Here User can Update His Profile.

(iv)User: Group Chat:
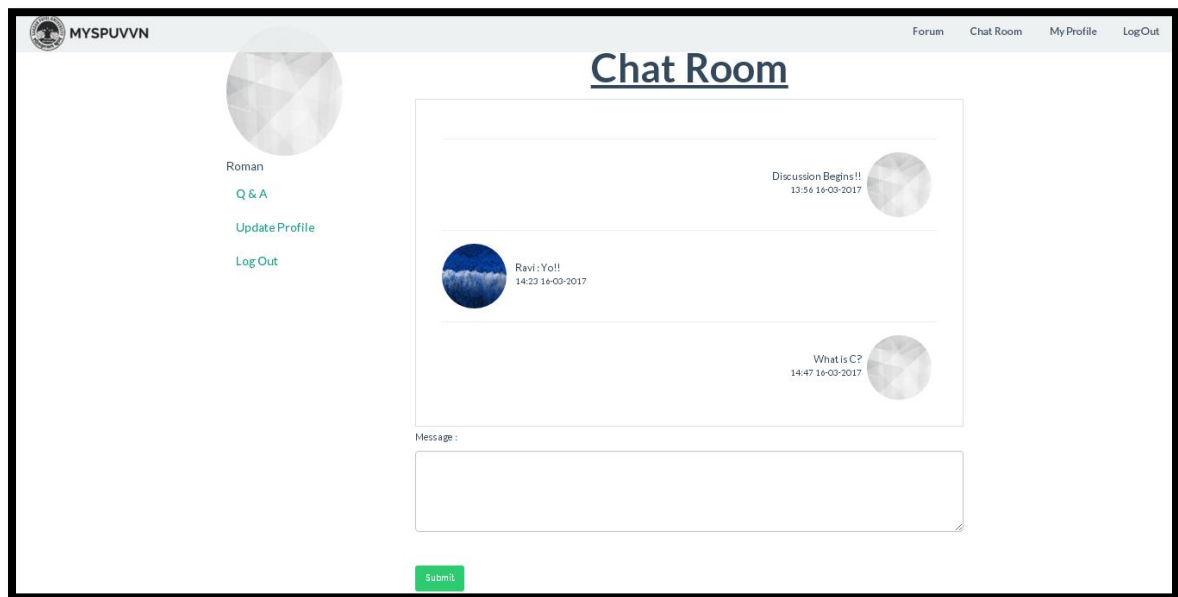
Here user can Chat in a Group in which All Registered Students can Share Things.

DESIGN OF OUTPUT SCREEN

ADMIN PANEL:

(i)Admin Forum :

On this Page Admin can delete Unnecessary Replies.

(ii) Admin Home:

MYSPUVVN   Home   My Rights   My Profile   Log Out

Welcome Admin ..!!

ADMIN

Update Profile

Log Out

List of Courses :   PRINT REPORT

UG-Courses:

No.	Course Name	Total Students
1	BCA	4

PG-Courses:

No.	Course Name	Total Students
1	MCA	1

MYSPUVVN   Home   My Rights   My Profile   Log Out

List of Students :

No.	Name.	Course
1	Roman	BCA
2	Ravi	BCA
3	shaggy	BCA
4	RP	BCA

List of Questions :

No.	Question.	Course	Semester	Check Replies
1	what is String ?	BCA	SEM1	☑
2	what is the Full form of DE ?	BCA	SEM1	☑

No.	Name.	Course
1	Roman	BCA
2	Ravi	BCA
3	shaggy	BCA
4	RP	BCA

List of Questions :

No.	Question.	Course	Semester	Check Replies
1	what is String ?	BCA	SEM1	✎
2	what is the Full form of DE ?	BCA	SEM1	✎

Here user gets all the details of Forum. I.e. No of Students, Questions, Courses, Admins

(iii) Admin Profile:

MYSPUVVN		Home	My Rights	My Profile	Log Out

Name :	ADMIN
Occupation :	Admin
Under-Graduate Courses :	BCA ,
Post-Graduate Courses :	MCA ,
Total Students :	4
Total Questions :	2

NO.	Suggestion.	Suggestioner	Delete
1	Ravi is ____.	Roman	Delete
2	wht is php ?	shaggy	Delete

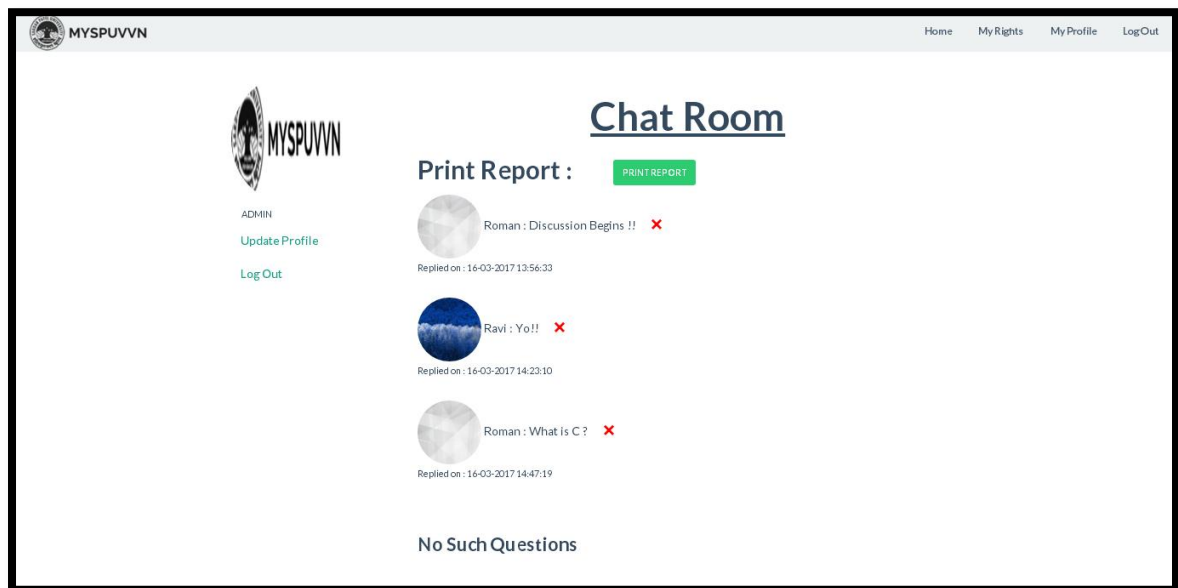Here Admin gets his Profile and Suggestions given by the Users.

(iv) Admin Print Report:
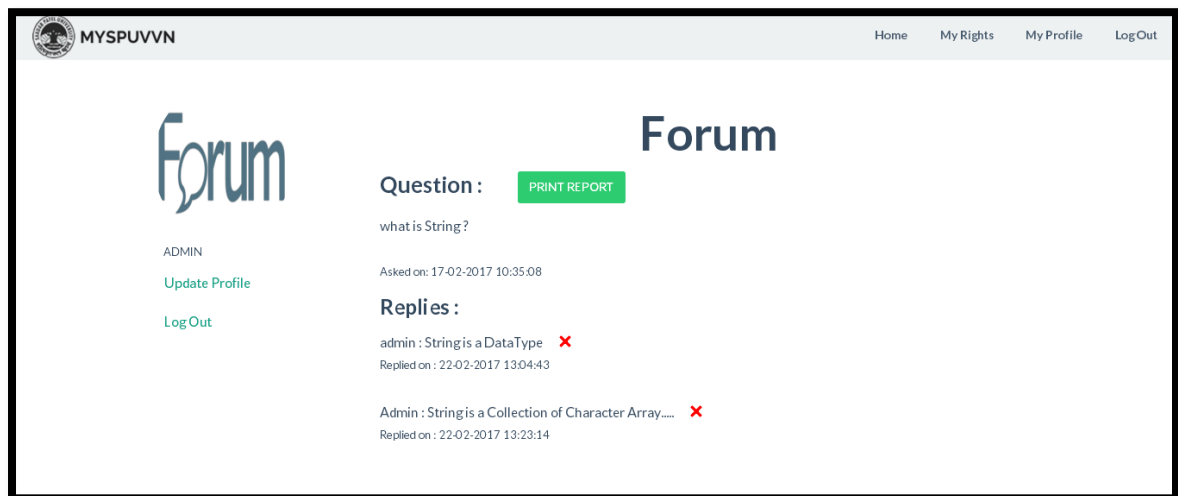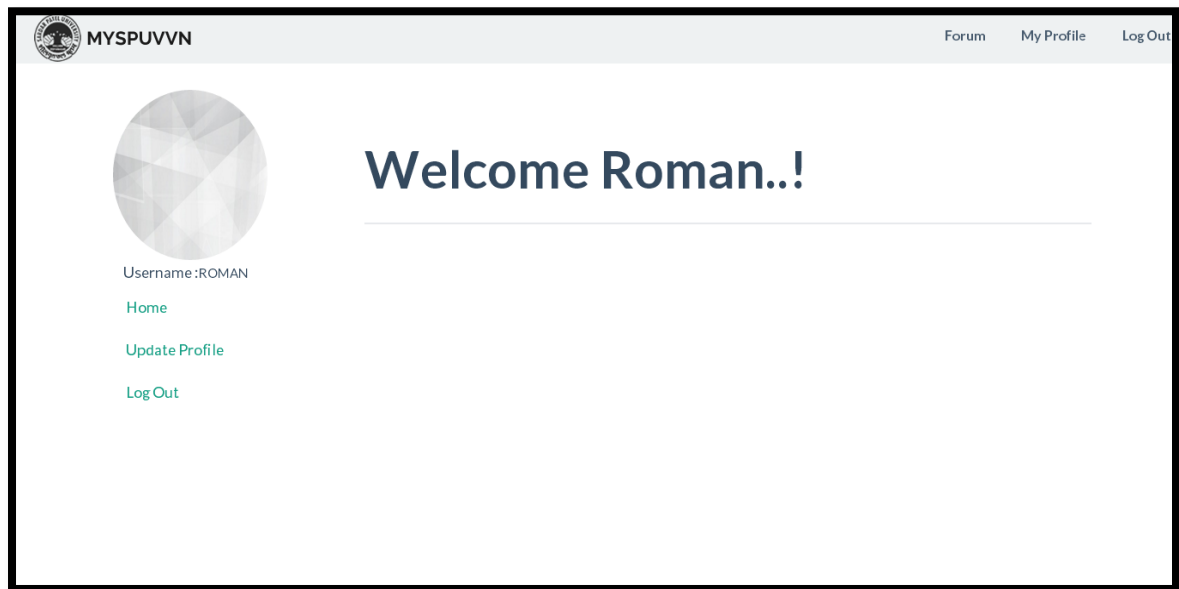

Here Admin can print the Q & A Forum as Report.

(v) Admin: Group Chat & Print Report:

Here Admin can Delete Unnecessary Messages and Print the Report of Chat Room.

CLIENT SIDE :

(i) User: Home:

User will Appear on this Page After Log In

(iii) User: Profile:

On this Page User will Get his Details and the Questions he Asked in the Forum.

(i) User: Forum:
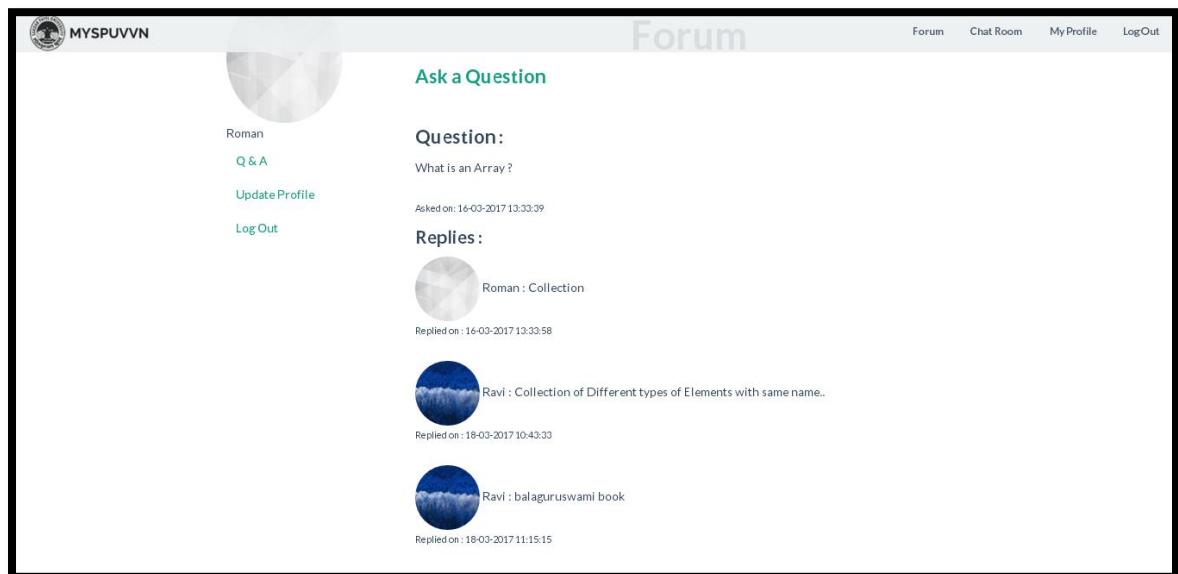
Here User will Get the Answer of his Question or Give Answer of Question Asked by Other Students.

TESTING PROCEDURE AND IMPLEMENTATION PROCESS

System testing is done to verify that the system provides the correct output according to the input provided and works according to the user's requirements.

This is done in the following steps:

1. Module Testing.

2. Integrated Testing.

3. System Testing.

1) Module Testing:

During the development stage, supplying its individual test data and the output of each test verified tested each module. Test cases were taken in a way that it would cover all the possibilities of the transactions or procedures. The modules that depend on other sub modules were tested after the successful testing of sub modules.

2) Integrated Testing:

After ensuring the successful execution of each module separately, all the modules were combined together to form different sub systems and checked for logical and syntactical errors. Here each and every sub system formed is tested separately with the test data that cover all the possibilities. This is done because all the modules might be working properly but when they are combined and have to interact with each other then problem may occur. Data might be lost; one module might have an adverse effect on another and so on. This is why the integrated testing is performed.

The integrated testing was divided into the following points:

1. User Interaction
2. Command Selection
3. Displaying Menu
4. Validation of entered data.
5. Updating of master information and adding, modifying and listing
6. Transaction processing

3) **System Testing:**

After the completion of the integrated testing successfully, all the sub system is combines together to form a whole system. This system tested using test data. This test data are manually process and then its results are compared with those of the system. During testing some errors detected, this were rectified and corrected in system.

After successful testing of the system with test data the system tested using live data. To implement the system simultaneous working of manual system and computerized system is going on with live data using which the system is checking thoroughly and made ready for final implementation.

__LIMITATION__

- Video Chat is Not Available.

- Maximum File Upload is Unknown.

- Personal Messages are Not Available.

PROPOSED ENHANCEMENT

- Material Download - Students will Download Materials on Forum.

- User can Share Documents, Videos , Etc.

- Online Video Tutorials.

- Personal Chat.

<u>CONCLUSION</u>

* ✗ From a proper analysis of positive points and constraints on the component, it can be concluded that the website is a highly efficient thing.

* ✗ Here about us facility provide by this website, so end-user can also send any query using query form that send to Admin.

BIBLIOGRAPHY

SR. NO	Book Name	Author Name	Publisher
1	PHP, MySQL, JavaScript & HTML5 All-in-One For Dummies	Steve Suehring and Janet Valade	Wiley

✓ W3schools.org