

CHAPTER 1

INTRODUCTION

1.1 ABSTRACT

This application is developed to reduce the work of the faculty members of the MCA department. It aims at storing CIE results of the students safely and permanently which avoids the confusions and mess that can possibly be created. Entire CIE data of any student can be fetched whenever required without facing any obstacles. A printable report can also be generated and exported in various formats. Hence this application is used for the convenience of both, the faculty members as well as the students.

1.2 INTRODUCTION

This project deals with students' CIE results studying in MCA department of Sharnbasva University, Kalaburagi. It consists of course-wise Continuous Internal Evaluation (CIE) marks scored by the students and their average, which is a combination of their CIE marks and assignment marks allotted. This is a stand-alone application which also displays the entire report of the students currently studying.

The admin (Dean of the department) has to login first with their credentials. The admin has the authority to register all the faculty members by choosing their roles as a user. In addition to this, the application also has a number of other tabs. The most important part is the feature rich home page which contains links and tabs to navigate to the main stream features of the page.

1.3 PROBLEM STATEMENT

The problems/reasons due to which this project is being carried out is that the Dean and the faculty members of MCA department of Sharnbasva University must always be dependent on an automated system which is accessed by all the departments.

1.4 OBJECTIVES

- To develop an application that is specifically used by the department of MCA.
- To store the marks scored by the students safely.
- To individually display the CIE marks of all the students scored in a particular course.
- To generate a printable report for the convenience of the faculty members of MCA department.

1.5 LIMITATIONS

- This project is a stand-alone application and not a web-based application
- Since it is not web-based, there is no option of providing an authentication factor (OTP).

CHAPTER 2

SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

The existing system is also an automated system that is accessed by all the departments of Sharnbasva University in common.

DISADVANTAGES OF EXISTING SYSTEM

- i. This system does not choose the “best of two” CIE marks. The selection of two best CIE marks and its average is calculated manually.
- ii. It accepts the marks out of 15 i.e. the average marks of two CIEs.
- iii. Faculty-wise data entry is not possible.
- iv. There is no user and admin login. A unique login is maintained.
- v. The report is generated only in the PDF format.

2.2 PROPOSED SYSTEM

The proposed system is an automated system developed specifically for Faculty of Computer Applications, MCA Department of Sharnbasva University. It can be accessed by both, the Dean (as admin) and the faculty members (as users) of the department. This application selects the two best CIE marks scored out of three CIEs, divides it by 2 and sums up with the assignment marks scored by a student out of 35. So, the maximum count is, $15+35=50$.

ADVANTAGES OF PROPOSED SYSTEM

- i. The CIE results of all the students are safe and secure.
- ii. It consumes less time, since data entry and the calculations are automated.
- iii. It fulfills the privacy factor, since each faculty is provided with separate login credentials by the admin.
- iv. Avoids confusion among the students regarding their marks, as the system provides accurate results.
- v. All the three CIE marks can be uploaded and stored individually in the system.
- vi. It generates the CIE report which can be exported even in the formats other than PDF.

2.3 FEASIBILITY STUDY

This phase includes evaluating the project's viability and presenting a business proposal, along with a very basic design process and some cost projections.

2.3.1 ECONOMIC FEASIBILITY

The project is developed on a low-priced, it was based on the reality that almost every utilized technology is open source and no additional software and special hardware are used. Hence the project is economically feasible.

2.3.2 TECHNICAL FEASIBILITY

Designed solution is cost-effective and does not require any additional hardware or software. Hence the project is technically feasible.

2.3.3 OPERATIONAL FEASIBILITY

The system is simple to operate. The user will get familiar with the system easily. The GUI is easy and convenient even for a new user. Hence the project is operationally feasible.

2.4 HTML, CSS and JAVASCRIPT

HTML - describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

Cascading Style Sheets (CSS) - is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

CSS is capable of making all sorts of shapes. Squares and rectangles are easy, as they are the natural shapes of the web. Add a width and height and you have the exact size rectangle you need. Add border-radius and you can round that shape, and enough of it you can turn those rectangles into circles and ovals.

JavaScript - is a lightweight, cross-platform and interpreted scripting language. It is well-known for the development of web-pages, many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.

Client-side: It supplies objects to control a browser and its Document Object Model (DOM). Like if client-side extensions allow an application to place elements on an HTML form and respond to user events such as mouse clicks, form input, and page navigation. Useful libraries for the client-side are AngularJS, ReactJS, VueJS and so many others.

Server-side: It supplies objects relevant to running JavaScript on a server. Like if the server-side extensions allow an application to communicate with a database, and provide continuity of information from one invocation to another of the application, or perform file manipulations on a server. The useful framework which is the most famous these days is node.js.

Ajax (also AJAX; short for "Asynchronous JavaScript and XML") is a set of web development techniques that uses various web technologies on the client-side to create asynchronous web applications. With Ajax, web applications can send and retrieve data from a server asynchronously (in the background) without interfering with the display and behavior of the existing page. By decoupling the data interchange layer from the presentation layer, Ajax allows web pages and, by extension, web applications, to change content dynamically without the need to reload the entire page. In practice, modern implementations commonly utilize JSON instead of XML

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

2.5 MySQLi and PHP

The MySQLi Extension (MySQL Improved) is a relational database driver used in the PHP scripting language to provide an interface with MySQL databases. There are three main API options when considering connecting to a MySQL database server:

- PHP's MySQL Extension
- PHP's MySQLi Extension
- PHP Data Object (PDO)

The PHP code consists of a core, with optional extensions to the core functionality. PHP's MySQL-related extensions, such as the MySQLi extension, and the MySQL extension, are implemented using the PHP extension framework. An extension typically exposes an API to the PHP developer, to allow its facilities to be used programmatically. However, some extensions which use the PHP extension framework do not expose an API to the PHP developer.

The PDO MySQL driver extension, for example, does not expose an API to the PHP developer, but provides an interface to the PDO layer above it. MySQLi is an improved version of the older PHP MySQL driver, offering various benefits.

The authors of the PHP scripting language recommend using MySQLi when dealing with MySQL server versions 4.1.3 and newer (takes advantage of new functionality).

PHP - is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control. Arbitrary PHP code can also be interpreted and executed via command-line interface (CLI).

CHAPTER 3

SYSTEM ENVIRONMENT

3.1 HARDWARE REQUIREMENTS

- Processor used : Intel i3 7th generation
- Hard Disk : 128 GB or more
- RAM : 4 GB and above

3.2 SOFTWARE REQUIREMENTS

- Operating system : Windows 10 or more
- Front end : HTML, CSS, JavaScript
- Back end : MySQLi, PHP

CHAPTER 4

MODULES

4.1 HOME:

This module displays a dashboard containing student details, course details and the user details. The home page also consists of a link at the bottom that redirects to the official website of Sharnbasva University.

4.2 COURSES:

This module contains two sub modules:

- Add course: This sub module can only be accessed by the admin (dean). This means the new course like semester, course code, course title and faculty allotted for that course can be added only by the admin.
- View courses: This sub module can be accessed by the admin and as well as the user. The courses added by the admin are viewed. The courses can be edited exclusively by the admin.

4.3 BATCH:

This module consists of two sub modules:

- Add batch: This sub module allows only the admin to add a new batch.
- View batch: Batch details are viewed both by the admin as well as the user but can be edited only by the admin.

4.4 STUDENT:

This module contains two sub modules:

- Add student: In this sub module, the admin must add the new student details like student USN, batch and student name.
- View students: Student details of the chosen batch are displayed to both admin and user. Only the admin has the authority to edit and delete student details.

4.5 FACULTY:

This module consists of two sub modules:

- Add faculty: In this sub module, new faculty can be added by the admin.
- View faculty: Faculty details can be viewed both by the admin and the user but only the admin can edit and delete the faculty details.

4.6 MARKS ENTRY:

This module contains two sub modules:

- CIE and Assignment: This sub module lets the admin and user to upload the three CIE and assignment marks.
- Final Marks: The final marks out of 50 are calculated by choosing the best of two CIE marks, calculating their average and adding it with the assignment marks.

4.7 REPORT:

- Generate Report: This sub module helps the admin and user to view the Final Report which cannot be altered.
- Export Report: This sub module helps the admin and user to convert the CIE report to PDF, Excel, CSV or copy report to clipboard.

4.8 ACCOUNT:

- Users: Only the admin has the privilege to view the users, edit and delete them.
- User Registration: The admin can create new users by giving the user role and user password. They are also provided with a hint question at the time of registration. In case the user forgets their password, the user should enter their hint answer to verify their account. Once the user's account is verified, they can reset their password.
- Logout: This helps the admin and the users to log out from the application.

CHAPTER 5

SYSTEM DESIGN

5.1 USE CASE DIAGRAM

The lively behavior of a system is represented by a use case diagram. It integrates use cases, actors, and their communications to summarize the functionality of the system. It simulates the duties, facilities, and operations needed by a system or application subsystem. It shows a system's complex functionality and also describes how a user cooperates with a system.

The goals of the use case diagram are as follows:

1. The needs of the system are gathered.
2. It shows how the system seems from the outside.
3. It acknowledges both internal and external influences on the system.
4. It depicts how the performers interact with one another.

The following guidelines must be adhered to while developing a use case diagram:

1. The actor or use case of a system should be given a relevant and meaningful name.
2. An actor's communication with a use case must be defined in a clear manner.
3. Specific notations that should be utilized as needed.
4. Among the numerous interactions between the use case and actors, the most important ones should be depicted.

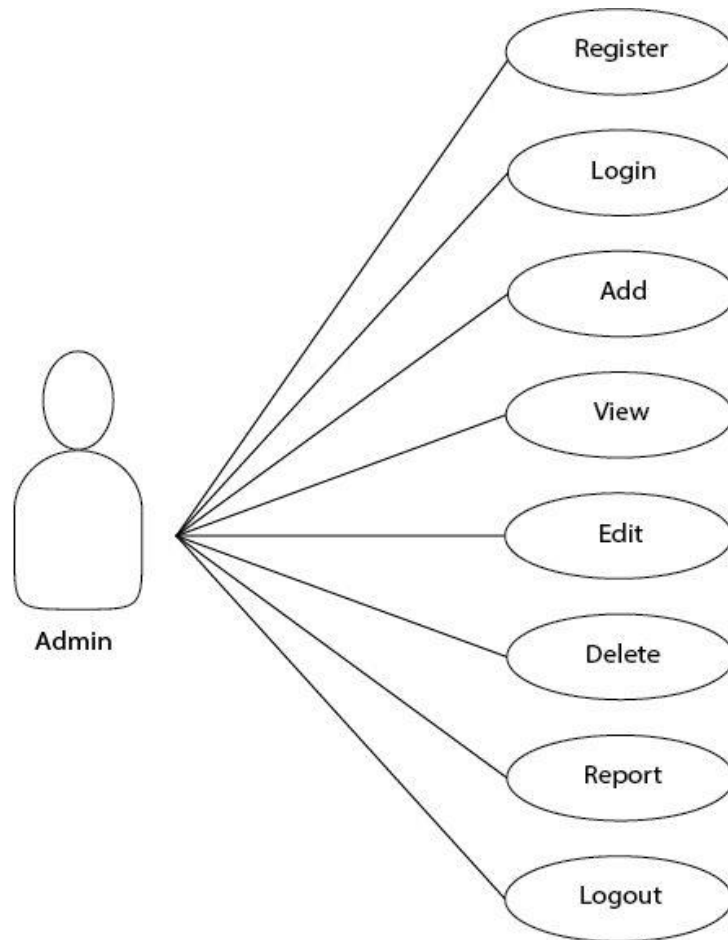


FIG 5.1.1 USE CASE FOR ADMIN

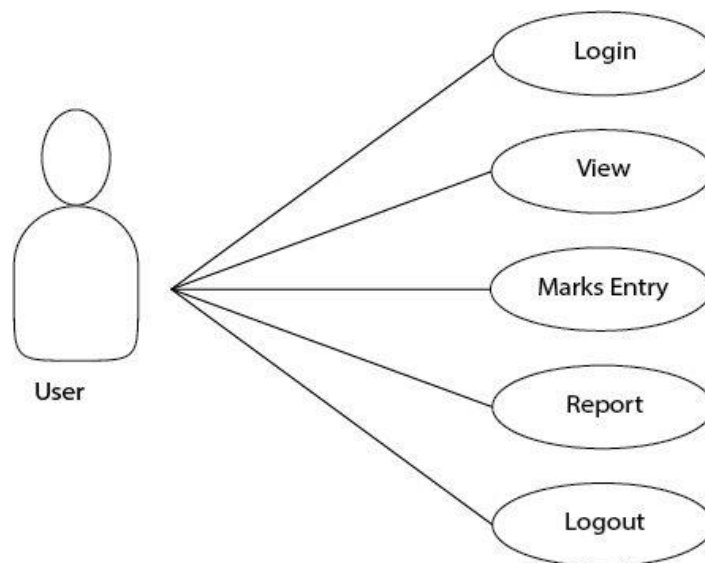


FIG 5.1.2 USE CASE FOR USER

5.2 ENTITY RELATIONSHIP DIAGRAM

“Entity-Relationship Diagram”, ER Diagram in short, is a figure that shows the relationships among entity groups that are kept in a database.

Rectangles are used to signify entities in ER Diagrams, ovals are used to specify attributes, and diamond shapes are used to denote relationships.

The primary elements and their symbols are:

- Rectangles: These object kinds are depicted in this entity relationship diagram symbol.
- Ellipses Symbols for qualities.
- Diamonds are a representation of various forms of relationships.
- Lines: It joins entity types with other connection types and attributes to object types
- The emphasized properties are the primary key
- Double ellipses: Symbolize properties with multiple values

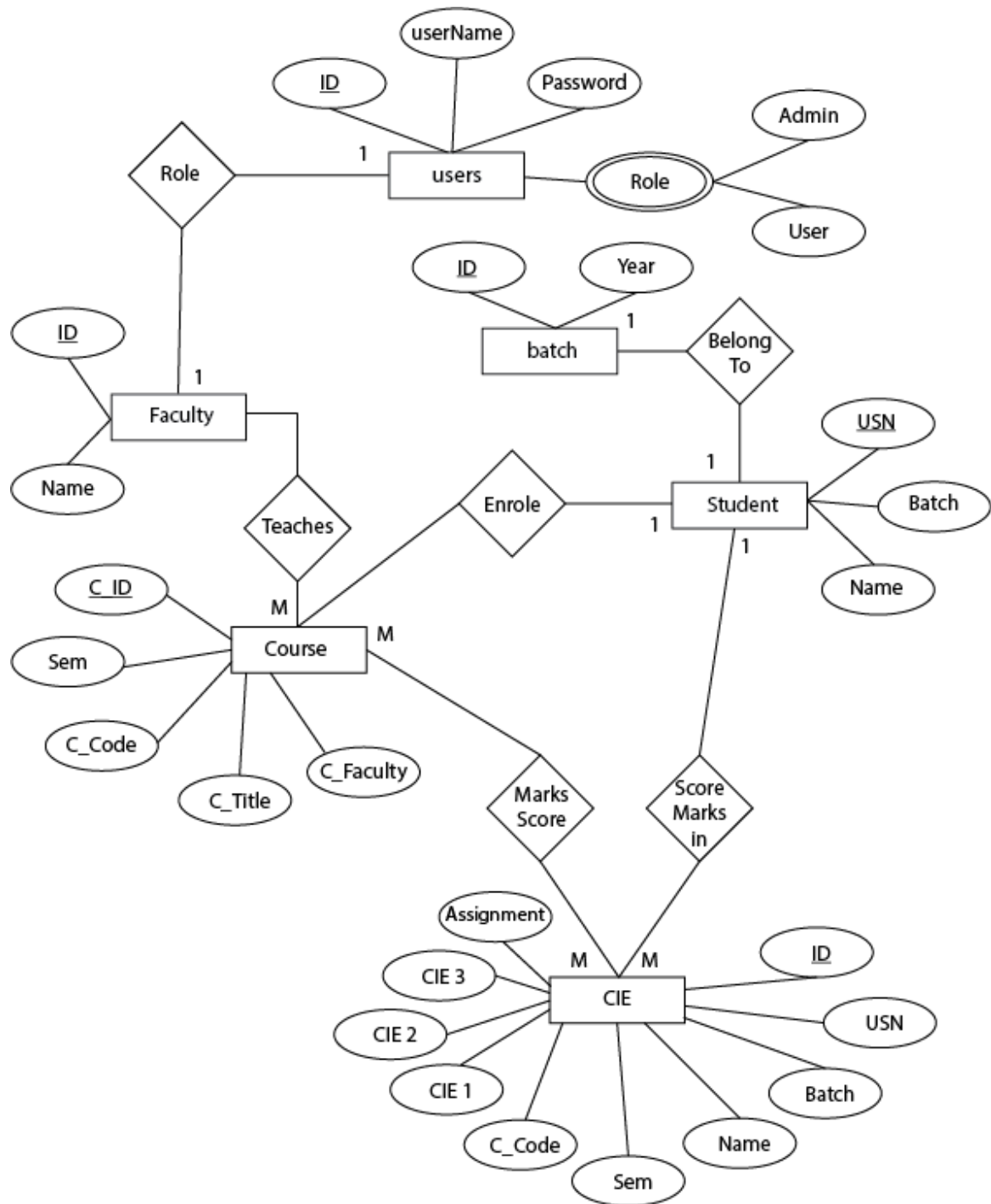


FIG 5.2 ER DIAGRAM

5.3 SEQUENCE DIAGRAM

The “sequence diagram”, which is similarly recognized as an event diagram, shows how messages move over the organization. It aids in creating a variety of active settings. It shows communication among any two links as a chronologically well-ordered series of activities, implying that these links were active at the instant of communication. The message movement is signified by a perpendicular spotted line that crosses the bottommost of the sheet in UML, while the link is signified by a perpendicular bar. Both branches besides iterations are included.

Purpose of sequence illustration:

1. To simulate complex interaction between system's active elements.
2. To simulate how objects interact inside a team that is working to realize a use case.
3. Either general interactions or specific examples of interactions are modeled.

Benefits of sequence diagram:

1. The real-time application is examined.
2. It shows how messages go among the numerous objects.
3. It is simple to preserve.
4. It is modest to produce.
5. Together frontward and reverse engineering must be used.
6. It is simple to keep informed in accordance with system variations.

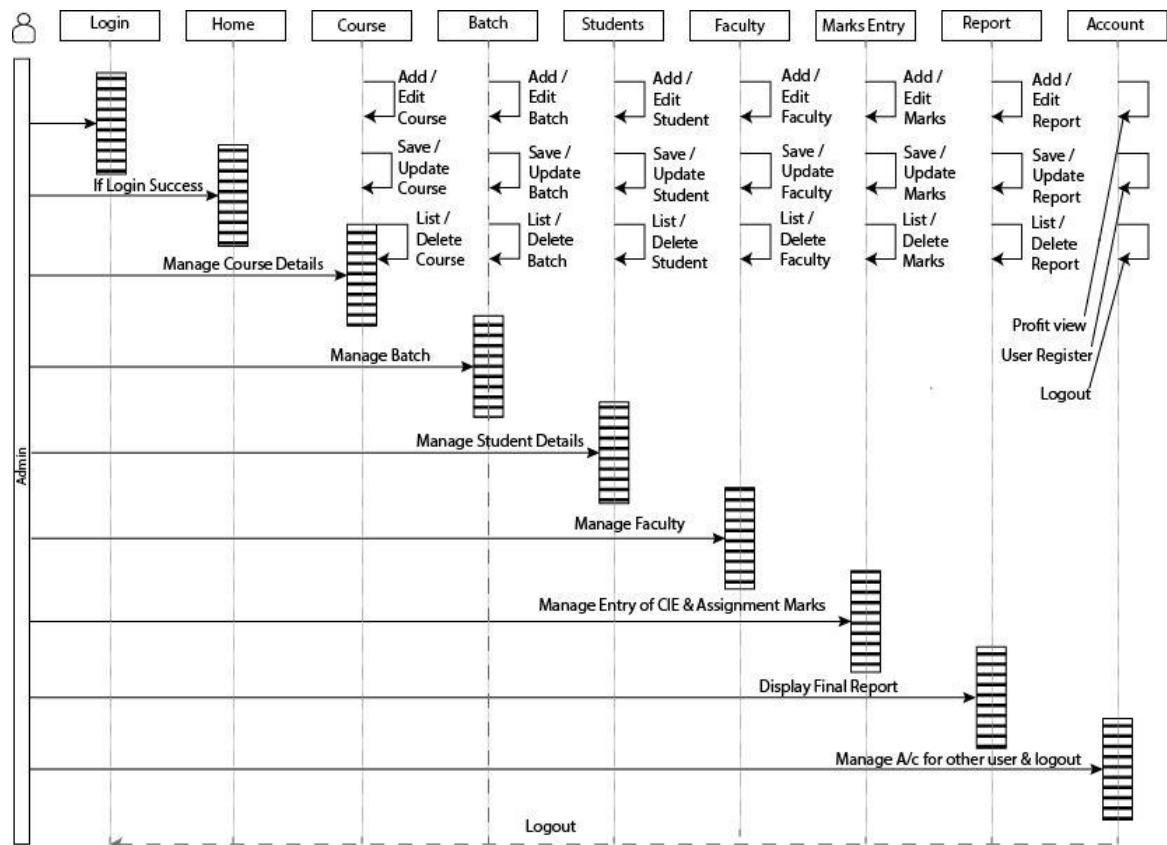


FIG 5.3.1 ADMIN SEQUENCE DIAGRAM

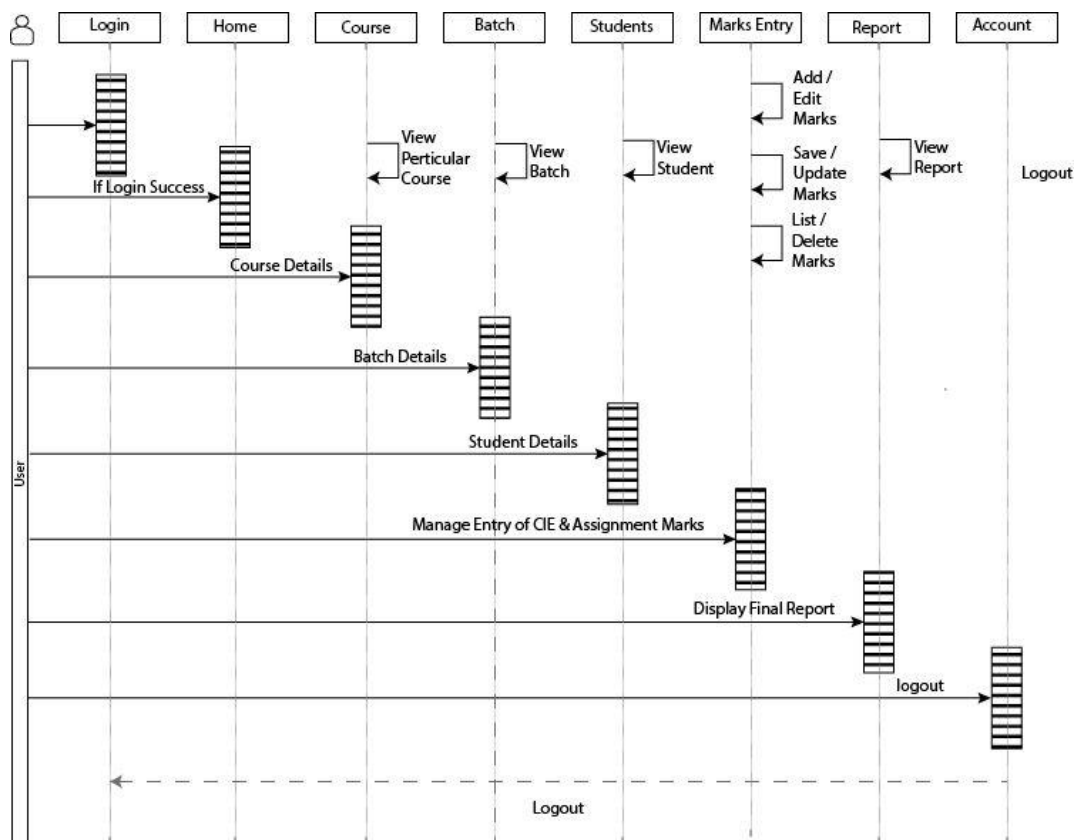


FIG 5.3.1 USER SEQUENCE DIAGRAM

5.4 DATAFLOW DIAGRAM

The acronym for a “data flow diagram” is DFD. DFD describes the flow of a scheme or procedure. It also sheds light on each object's input, outputs, and the process itself. There are no repetitions, decision rules, or control patterns in DFD. A flowchart can describe specific operations depending on the type of data. Because they make it easier to understand the key actions and data involved in software-system processes, data flow diagrams are highly common. Below are the DFD's component parts.

There are four parts to the data flow diagram:

Process: Process function in a system origins input to output conversion. Process signs container be circular, oval, four-sided, or rectangular with curved corners. The procedure is given a name that encapsulates its essence in a few words or a phrase.

Data Flow: The movement of information among various system components is mentioned to as “data flow”. The projectile icon signifies data flow. To identify the data being moved, the movement should be given a term that makes sense. Along with information, data flow also symbolizes moving materials. Systems that are more than just informative model material shifts. A specific flow must only transmit.

Warehouse: The warehouse stores the information for further use. The store's logo is represented by two parallel lines. The warehouse need not only be a information file; it might also remain a folder comprising documents, an visual disc, or a filing cupboard. It is possible to inspect the data warehouse independently of how it was implemented. Data movement into the warehouse is denoted as data entry once it comes from the warehouse, and vice versa.

Terminator: The Terminator is a stranger who cooperates with the organization while residing outside of it. For example, it could be external objects like banks, customer groups, or numerous departments of the same company that are not a portion of the model system.

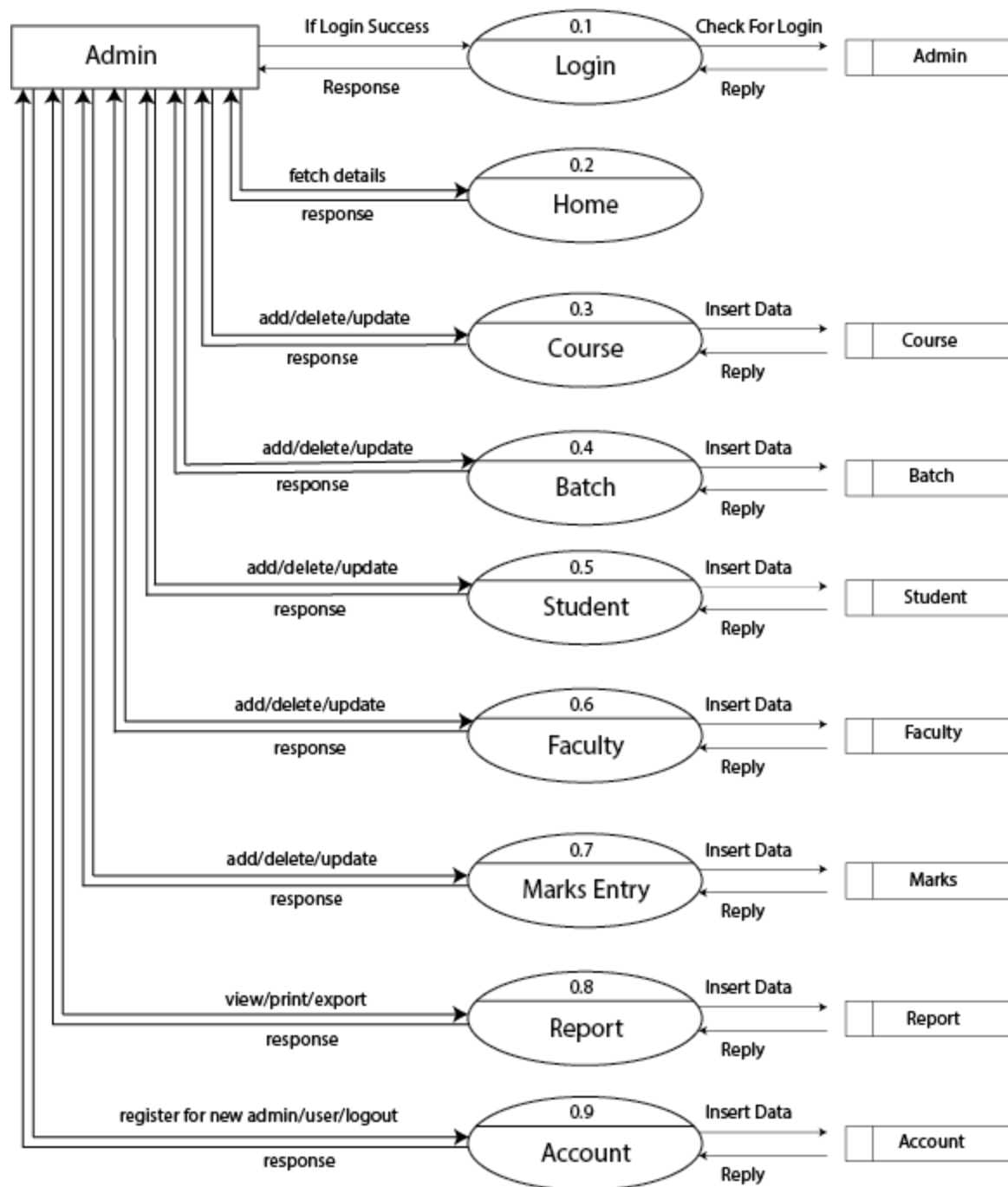


FIG 5.4 DATA FLOW DIAGRAM

5.5 DATABASE DESIGN

Table 5.5.1 BATCH

NAME	TYPE
B_Id	int (11)
Batch	varchar (9)
Created_On	timestamp
Updated_On	timestamp

Table 5.5.2 CIE

NAME	TYPE
ID	int (11)
Batch	varchar (9)
USN	varchar (15)
Name	varchar (25)
Semester	varchar (5)
SubCode	varchar (15)
CIE1	int (2)
CIE2	int (2)
CIE3	int (2)
Assignment	int (2)
Created_On	timestamp
Updated_On	timestamp

Table 5.5.3 COURSE

NAME	TYPE
C_Id	int (11)
C_Sem	varchar (4)
C_Code	varchar (10)
C_Name	varchar (50)
C_Fal	varchar (5)
Created_On	timestamp
Updated_On	timestamp

Table 5.5.4 FACULTY

NAME	TYPE
F_Id	varchar (5)
F_Name	varchar (30)
Created_On	timestamp
Updated_On	timestamp

Table 5.5.5 STUDENT

NAME	TYPE
S_USN	varchar (10)
S_Batch	varchar (10)
S_Name	varchar (25)
Created_On	timestamp
Updated_On	timestamp

Table 5.5.6 USERS

NAME	TYPE
Id	int (11)
Username	varchar (50)
Role	varchar (10)
Password	varchar (50)
Created_On	datetime
Updated_On	timestamp

5.6 FORM DESIGNS

Login

Select Faculty
Choose...

Select User Role
User

Password

Sign in

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[The Team Byte](#)

Admin login form

Sharnbasva University

Home

Student Details
Total No. of Students
[Go Students](#)

Course Details
Total No. of Courses
[Go Course](#)


Batch Details
Total No. of Batches
[Go Batch](#)

Users Details
Total No. of Users
1
[Go Users](#)


Faculty Details
Total No. of Faculties
[Go Faculty](#)

Admin Home form


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> Home

> **Course**

> Add Course

> View Courses

> Batch

> Student

> Faculty

> Marks Entry

> Report

> Account

Home / Course

Course Form

Semester

Choose...

Course Code

Course Title


Faculty



Choose...

☐ Agree to Submit Form


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> Add Course

> View Courses

> Batch

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Home / Course

Course Details

Sl. No.	Semester	Course Code	Course Title	Faculty	Created On	Action
No records were found.						

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Batch

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Faculty

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Batch Form

New Batch

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Batch Details

Sl No.	Batch	Created On	Action
No records were found.			


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Student Form

Student USN

Batch


Student Name



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> Home

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> Batch

> Student

> Faculty

> Marks Entry

> Report

> Account

Home / Student


Student Details



Select Batch...

Submit

SL No.	USN	Student Name	Created On	Action
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Faculty Form


Faculty ID



Faculty Name

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President, Sharnbasavimath, Vijaya Venkateswara Temple,
Channarayana, Sharnbasava University




Pooja Master Dr. Gokulappa S. Appa
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Member of BOD, Sharnbasava University



Pooja Channarayana Daddappa Appa
Mahasabha 9th Padmakshya
Sharnbasavimath Samithi, Kalyandurga






ಶರಣಬಸವ
Sharnbasva
University



Pooja Maheshwari Gokulappa Anjali



Pooja Daddappa Appa
Founder President
Sharnbasavimath Vijaya Venkateswara Temple

Sharnbasava University

> Home

> Course

> Batch

> Student

> Faculty

> Marks Entry

> Report


> Account


Home / Faculty

Faculty Details

SL No.	Fac ID	Faculty Name	Created On	Action
No records were found.				


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View Faculty form


CIE ENTRY SYSTEM FOR THE MCA PROGRAM




Pooja Dr. Sharnbasappa Appaji
Mahasabha Padmakshya
Sharnbasavimane Samant
President Sharnbasavimane Vidyarthi Sangha
Chandole, Sharnbasva University





Pooja Mahesh Dr. Gokulappa S. Appa
Chandole,
Sharnbasavimane Vidyarthi Sangha
Member of BOD, Sharnbasva University



Pooja Chiragappa Daddappa Appa
Mahasabha Vidyarthi Padmakshya
Sharnbasavimane Samant, Kalaburagi







Pooja Mahesh Dr. Gokulappa S. Appa
Chandole,
Sharnbasavimane Vidyarthi Sangha
Member of BOD, Sharnbasva University



Pooja Daddappa Appa
Founder President
Sharnbasavimane Vidyarthi Sangha

Sharnbasva University

> Home

> Course

> Batch

> Student

> Faculty

> Marks Entry

> CIE & Assignment

> Final Marks

> Report

> Account

Home / Marks Entry

CIE & Assignment Marks Entry

Batch

CIE

Semester

Course

Choose...

Choose...


Choose...

Choose...

Open Form

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CIE & Assignment Marks Entry form




Pooja Dr. Sharnbasappa Appaji
Mahasabha Padmakshya
Sharnbasavimane Samant
President Sharnbasavimane Vidyarthi Sangha
Chandole, Sharnbasva University





Pooja Mahesh Dr. Gokulappa S. Appa
Chandole,
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Pooja Chiragappa Daddappa Appa
Mahasabha Vidyarthi Padmakshya
Sharnbasavimane Samant, Kalaburagi







Pooja Mahesh Dr. Gokulappa S. Appa
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Sharnbasavimane Vidyarthi Sangha
Member of BOD, Sharnbasva University



Pooja Daddappa Appa
Founder President
Sharnbasavimane Vidyarthi Sangha

Sharnbasva University

> Home

> Course

> Batch

> Student

> Faculty

> Marks Entry

> CIE & Assignment

> Final Marks

> Report

> Account

Home / Final Marks Sheet

CIE & Assignment Final Marks Sheet

Batch

CIE

Semester

Course

Choose...


Choose...


Choose...


Choose...

Get Marks

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CIE & Assignment Final Marks form

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

Sharnbasva University

- > Home
- > Course
- > Batch
- > Student
- > Faculty
- > Marks Entry
- > **Report**
 - Report
- > Account

Home / **Report**

Generate Report

Batch: Choose... Semester: Choose... Course: Choose...

Get Marks

Export Report

Batch: Choose... Semester: Choose... Course: Choose...

Export

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Generate Report/Export Report form

Sharnbasva University

- > Home
- > Course
- > Batch
- > Student
- > Faculty
- > Marks Entry
- > Report
- > **Account**
 - Users
 - User Registration
 - Logout

Home / **Account** / Users

Users Table

SL No.	User ID	Role	Password	Created On	Action
1	FAC01	admin		2022-10-29 20:00:07	

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User Details form

The screenshot shows the 'Registration Form' page of the Sharnbasva University CIE Entry System. The header features the university's name in Kannada and English, along with portraits of its founders. A left sidebar contains navigation links: Home, Course, Batch, Student, Faculty, Marks Entry, Report, and Account (with sub-links for Users, User Registration, and Logout). The main content area includes a breadcrumb trail 'Home / Users / Registration Form' and a form with fields for Faculty ID, Role, Password, and Confirm Password. A table header for user records is visible, showing columns for SL No., Fac ID, Fac Name, and Action, with a message 'No records were found.' below it. The footer contains copyright information for 2022 and the department of Master of Computer Application.

Sharnbasva University

Home / Users / Registration Form

Registration Form

Faculty ID: Choose...

Role: Choose...

Password:

Confirm Password:

☐ Agree to Submit Form

[Submit Form](#)

SL No.	Fac ID	Fac Name	Action
No records were found.			

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The Team Byte

User Registration form

The screenshot shows the 'Login' page of the Sharnbasva University CIE Entry System. It features a central login form with fields for Select Faculty (Choose...), Select User Role (User), and Password. A blue 'Sign in' button is at the bottom of the form. The footer includes copyright information for 2022 and the department of Master of Computer Application.

Login

Select Faculty: Choose...

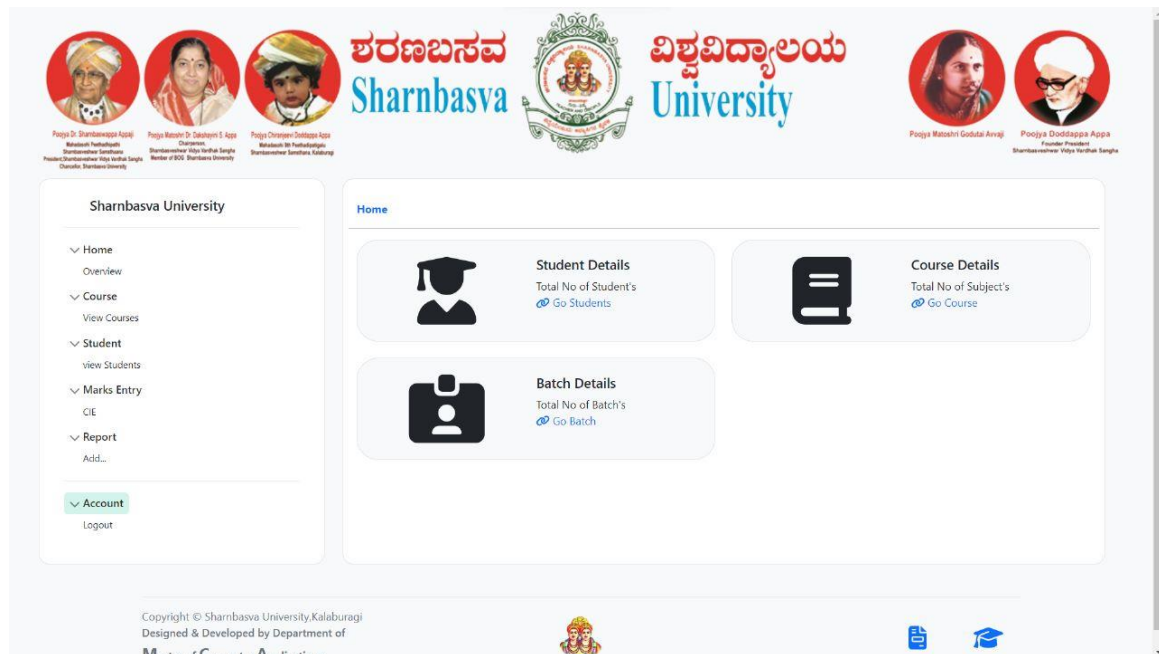
Select User Role: User

Password:

[Sign in](#)

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User Login form



User Home form

CHAPTER 6

SYSTEM IMPLEMENTATION

6.1 SOURCE CODE

```

<?php
include 'header.php';
require_once "../Query/db_conn.php";
?>
<div class="container">
  <div class="row mt-4">
    <div class="col">
      <nav aria-label="breadcrumb">
        <ol class="breadcrumb">
          <li class="breadcrumb-item" aria-current="page">Home</li>
          <li class="breadcrumb-item fw-bold text-primary" aria-
current="page">Marks Entry</li>
        </ol>
      </nav>
    </div>
    <div class="row">
      <hr class="hr">
      <div class="col px-5">
        <p class="fs-4 fw-bold">CIE & Assignment Marks Entry</p>
        <div class="">
          <div class="">
            <form action="" method="POST" class="row g-3 needs-validation"
novalidate>
              <div class="col-md-3">
                <label for="studentBatch" class="form-label">Batch</label>
                <select class="form-select" id="studentBatch" name="studentBatch"
required>
                  <option selected disabled value="">Choose...</option>
                <?php
                  $sql_bat = "SELECT * FROM `batch`";
                  if($result_bat = mysqli_query($conn, $sql_bat)){
                    if(mysqli_num_rows($result_bat) > 0){
                      while($row = mysqli_fetch_array($result_bat)){

```

```
        echo "<option value='". htmlspecialchars($row['Batch']) .">".
htmlspecialchars($row['Batch']) . "</option>";
    }
    mysqli_free_result($result_bat);
} else{
    echo '<div class="alert alert-danger"><em>No records were
found.</em></div>';
}
} else{
    echo "Oops! Something went wrong. Please try again later.";
}
?>
</select>
<div class="invalid-feedback">
    Please select a Batch.
</div>
</div>
<div class="col-md-3">
    <label for="Semester" class="form-label">Semester</label>
    <select class="form-select" id="Semester" name="Semester"
onchange="mySubject(this.value)"
    required>
        <option selected disabled value="">Choose...</option>
        <option value="SEM1">SEM1</option>
        <option value="SEM2">SEM2</option>
        <option value="SEM3">SEM3</option>
        <option value="SEM4">SEM4</option>
    </select>
    <div class="invalid-feedback">
        Please select a valid Semester.
    </div>
</div>

<div class="col-md-5">
    <label for="Course" class="form-label">Course</label>
    <select class="form-select" id="Course" name="Course" required>
        <option selected disabled value="">Choose...</option>
    <?php
    $sql_bat = "SELECT * FROM `course` WHERE `C_Emp` = '$user'";
    if($result_bat = mysqli_query($conn, $sql_bat)){
        if(mysqli_num_rows($result_bat) > 0){
            while($row = mysqli_fetch_array($result_bat)){
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
        echo "<option value='". htmlspecialchars($row['C_Code']) .">".
htmlspecialchars($row['C_Name']) . "</option>";
    }
    mysqli_free_result($result_bat);
} else{
    echo '<div class="alert alert-danger"><em>No records were
found.</em></div>';
}
} else{
    echo "Oops! Something went wrong. Please try again later.";
}
?>
</select>
<div class="invalid-feedback">
    Please select a Course.
</div>
</div>
<div class="col-md-12">
    <button class="btn btn-success mt-4" type="submit">Open
Form</button>
</div>
</form>
</div>
<hr class="hr">
<div class="">
    <?php
        if (isset($_POST['studentBatch']) && isset($_POST['cie']) &&
isset($_POST['Semester']) && isset($_POST['Course'])) {
            function test_input($data) {
                $data = trim($data);
                $data = stripslashes($data);
                $data = htmlspecialchars($data);
                return $data;
            }
            $Get_Bat = test_input($_POST['studentBatch']);
            $Get_cie = test_input($_POST['cie']);
            $Get_sem = test_input($_POST['Semester']);
            $Get_cou = test_input($_POST['Course']);
            $check = "SELECT * FROM `cie` WHERE Batch = '$Get_Bat' AND
SubCode = '$Get_cou'";
            if($result_Student = mysqli_query($conn, $check)){
                if(mysqli_num_rows($result_Student) > 0){
                    $counter = 0;
```

```
?>
<form action="/Query/U_cie_update.php?batch=<?=  
htmlspecialchars($Get_Bat) ?>" method="post" class="needs-validation" novalidate>
<table class="table">
<tr>
<td class="text-end">Batch :</td>
<td class="text-start fw-bold">
<?=$Get_Bat ?>
</td>
<td class="text-end">Semester :</td>
<td class="text-start fw-bold">
<?=$Get_sem ?>
</td>
<td class="text-end">Marks Type :</td>
<td class="text-start fw-bold">
<?=$Get_cie ?>
</td>
<td class="text-end">Course Code :</td>
<td class="text-start fw-bold">
<?=$Get_cou ?>
</td>
</tr>
</table>
<div class="table-responsive">
<table class="table">
<thead>
<tr>
<th class="text-center">SL No.</th>
<th class="text-center" hidden>Batch</th>
<th class="text-center">USN</th>
<th class="text-center" hidden>Name</th>
<th class="text-center" hidden>Semester</th>
<th class="text-center" hidden>SubCode</th>
<th class="text-center">CIE1</th>
<th class="text-center">CIE2</th>
<th class="text-center">CIE3</th>
<th class="text-center">Assignment</th>
</tr>
</thead>
<tbody>
<?php
while($row = mysqli_fetch_array($result_Student)){
    $counter++;
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
?>
<tr>
    <td><input type="text" name="" id="" value="<?php echo
$counter; ?>" class="form-control text-center" disabled></td>
    <td hidden><input type="text" name="batc"<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($row['Batch']); ?>" class="form-control
text-center"></td>
    <td><input type="text" name="usn_"<?php echo $counter; ?>"
id="usn" value="<?php echo htmlspecialchars($row['USN']); ?>" class="form-control
text-center"></td>
    <td hidden><input type="text" name="name"<?php echo $counter;
?>" id="name" value="<?php echo htmlspecialchars($row['Name']); ?>" class="form-
control text-center"></td>
    <td hidden><input type="text" name="seme"<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($row['Semester']); ?>" class="form-
control text-center"></td>
    <td hidden><input type="text" name="cour"<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($row['SubCode']); ?>" class="form-
control text-center"></td>
    <td><input type="number" name="cief"<?php echo $counter; ?>"
id="cief" value="<?php echo htmlspecialchars($row['CIE1']); ?>" class="form-control
text-center"></td>
    <td><input type="number" name="cies"<?php echo $counter; ?>"
id="cies" value="<?php echo htmlspecialchars($row['CIE2']); ?>" class="form-control
text-center"></td>
    <td><input type="number" name="ciet"<?php echo $counter; ?>"
id="ciet" value="<?php echo htmlspecialchars($row['CIE3']); ?>" class="form-control
text-center"></td>
    <td><input type="number" name="assi"<?php echo $counter; ?>"
id="assi" value="<?php echo htmlspecialchars($row['Assignment']); ?>" class="form-
control text-center"></td>
</tr>
<?php
}
?>
</tbody>
</table>
</div>
<div class="col-12">
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value=""
id="cieUpdate" required>
        <label class="form-check-label" for="cieUpdate">
```



```
        Agree to Save Marks
    </label>
    <div class="invalid-feedback">
        You must agree before submitting.
    </div>
</div>
</div>
<input type="submit" value="submit" name="submit" class="btn btn-
warning mt-2">
</form>
<?php
    while($row = mysqli_fetch_array($result_Student)){
        $counter++;
    }
    mysqli_free_result($result_Student);
} else{
    ?>
    <form action="/Query/U_cie_add.php?batch=<?= htmlspecialchars($Get_Bat)
?>" method="post">
        <table class="table">
            <tr>
                <td class="text-end">Batch :</td>
                <td class="text-start fw-bold">
                    <?= htmlspecialchars($Get_Bat) ?>
                </td>
                <td class="text-end">Semester :</td>
                <td class="text-start fw-bold">
                    <?= htmlspecialchars($Get_sem) ?>
                </td>
                <td class="text-end">Marks Type :</td>
                <td class="text-start fw-bold">
                    <?= htmlspecialchars($Get_cie) ?>
                </td>
                <td class="text-end">Course Code :</td>
                <td class="text-start fw-bold">
                    <?= htmlspecialchars($Get_cou) ?>
                </td>
            </tr>
        </table>
        <div class="table-responsive">
            <table class="table">
                <thead>
                    <tr>
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
<th class="text-center">SL No.</th>
<th class="text-center" hidden>Batch</th>
<th class="text-center">USN</th>
<th class="text-center" hidden>Name</th>
<th class="text-center" hidden>Semester</th>
<th class="text-center" hidden>SubCode</th>
<th class="text-center">CIE1</th>
<th class="text-center">CIE2</th>
<th class="text-center">CIE3</th>
<th class="text-center">Assignment</th>
</tr>
</thead>
<tbody>
<?php
$sql_Student = "SELECT * FROM `student` WHERE S_Batch =
'$Get_Bat'";

if($result_Student = mysqli_query($conn, $sql_Student)){
    if(mysqli_num_rows($result_Student) > 0){
        $counter = 0;
        while($row = mysqli_fetch_array($result_Student)){
            $counter++;
        }
    }
}

<tr>
    <td><input type="text" name="" id="" value="<?php echo
$counter; ?>" class="form-control text-center" disabled></td>
    <td hidden><input type="text" name="batch<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($row['S_Batch']); ?>" class="form-
control text-center"></td>
    <td><input type="text" name="usn_<?php echo $counter; ?>"
id="usn" value="<?php echo htmlspecialchars($row['S_USN']); ?>" class="form-control
text-center"></td>
    <td hidden><input type="text" name="name<?php echo $counter;
?>" id="name" value="<?php echo htmlspecialchars($row['S_Name']); ?>" class="form-
control text-center"></td>
    <td hidden><input type="text" name="seme<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($Get_sem); ?>" class="form-control text-
center"></td>
    <td hidden><input type="text" name="cour<?php echo $counter;
?>" id="" value="<?php echo htmlspecialchars($Get_cou); ?>" class="form-control text-
center"></td>
    <td><input type="number" name="cief<?php echo $counter; ?>"
id="cief" value="" class="form-control text-center"></td>
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
<td><input type="number" name="cies">?<?php echo $counter; ?>"
id="cies" value="" class="form-control text-center"></td>
<td><input type="number" name="ciet">?<?php echo $counter; ?>"
id="ciet" value="" class="form-control text-center"></td>
<td><input type="number" name="assi">?<?php echo $counter; ?>"
id="assi" value="" class="form-control text-center"></td>
</tr>
<?php
    }
    mysqli_free_result($result_Student);
} else{
    echo "
    <div class='alert alert-danger' role='alert'>
    <b>No Result Found...!!!</b> Please Try Another Option.
    </div>
    ";
}
} else{
    echo "ERROR: Could not able to execute $sql_Student. " .
mysqli_error($conn);
}
?>
</tbody>
</table>
</div>
<div class="col-12">
    <div class="form-check">
        <input class="form-check-input" type="checkbox" value=""
id="cieUpdate" required>
        <label class="form-check-label" for="cieUpdate">
            Agree to Save Marks
        </label>
        <div class="invalid-feedback">
            You must agree before submitting.
        </div>
    </div>
</div>
<input type="submit" value="submit" name="submit" class="btn btn-success
mt-2">
</form>
<?php
    }
}
```

```
        }
        ?>
    </div>
</div>
</div>
</div>
<?php include 'footer.php'; ?>
<style>
    /* Chrome, Safari, Edge, Opera */
    input::-webkit-outer-spin-button,
    input::-webkit-inner-spin-button {
        -webkit-appearance: none;
        margin: 0;
    }
    /* Firefox */
    input[type=number] {
        -moz-appearance: textfield;
    }
</style>
<script src="./Asset/js/CIE.js"></script>
<?php
    // Close connection
    mysqli_close($conn);
?>
-- phpMyAdmin SQL Dump
-- version 5.2.0
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Oct 29, 2022 at 05:15 PM
-- Server version: 10.4.24-MariaDB
-- PHP Version: 8.1.6

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
/*!40101 SET NAMES utf8mb4 */;
```

```
--
```

```
-- Database: `cie`
```

```
--
```

```
-- -----
```

```
--
```

```
-- Table structure for table `batch`
```

```
--
```

```
CREATE TABLE `batch` (  
  `B_Id` int(11) NOT NULL,  
  `Batch` varchar(9) NOT NULL,  
  `Created_On` timestamp NOT NULL DEFAULT current_timestamp(),  
  `Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Dumping data for table `batch`
```

```
--
```

```
INSERT INTO `batch` (`B_Id`, `Batch`, `Created_On`, `Updated_On`) VALUES  
(1, '2021-2022', '2022-10-06 15:57:34', '2022-10-06 15:57:34');
```

```
-- -----
```

```
--
```

```
-- Table structure for table `cie`
```

```
--
```

```
CREATE TABLE `cie` (  
  `ID` int(11) NOT NULL,  
  `Batch` varchar(9) NOT NULL,  
  `USN` varchar(15) NOT NULL,  
  `Name` varchar(100) NOT NULL,  
  `Semester` varchar(5) NOT NULL,  
  `SubCode` varchar(15) NOT NULL,  
  `CIE1` int(2) NOT NULL DEFAULT 0,  
  `CIE2` int(2) NOT NULL DEFAULT 0,  
  `CIE3` int(2) NOT NULL DEFAULT 0,
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

```
`Assignment` int(2) NOT NULL DEFAULT 0,
`Created_On` timestamp NOT NULL DEFAULT current_timestamp(),
`Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE
current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-----
--
-- Table structure for table `course`
--

CREATE TABLE `course` (
  `C_Id` int(11) NOT NULL,
  `C_Sem` varchar(4) NOT NULL,
  `C_Code` varchar(10) NOT NULL,
  `C_Name` varchar(255) NOT NULL,
  `C_Emp` varchar(5) NOT NULL,
  `Created_On` timestamp NOT NULL DEFAULT current_timestamp(),
  `Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE
current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `course`
--

INSERT INTO `course` (`C_Id`, `C_Sem`, `C_Code`, `C_Name`, `C_Emp`,
`Created_On`, `Updated_On`) VALUES
(1, 'SEM1', '20MCA11', 'DATA STRUCTURES USING C++', 'FAC06', '2022-10-06
10:16:32', '2022-10-14 10:11:30'),
(2, 'SEM1', '20MCA12', 'OPERATING SYSTEM AND UNIX', 'FAC04', '2022-10-06
10:16:59', '2022-10-12 09:18:43'),
(3, 'SEM1', '20MCA13', 'ADVANCED DATABASE MANAGEMENT SYSTEM',
'FAC07', '2022-10-06 10:18:10', '2022-10-06 10:39:20'),
(4, 'SEM1', '20MCA14', 'SOFTWARE ENGINEERING', 'FAC02', '2022-10-06 10:18:42',
'2022-10-12 09:19:04'),
(5, 'SEM1', '20MCA151', 'PROBABILITY AND STATISTICS', 'FAC01', '2022-10-06
10:19:11', '2022-10-12 09:19:14'),
(6, 'SEM1', '20MCA16', 'DATA STRUCTURE USING C++ LAB', 'FAC06', '2022-10-06
10:20:23', '2022-10-06 10:41:38'),
(7, 'SEM1', '20MCA17', 'OPERATING SYSTEM AND UNIX LAB', 'FAC03', '2022-10-
06 10:20:53', '2022-10-06 10:41:57'),
(8, 'SEM1', '20MCA18', 'ADVANCED DATABASE MANAGEMENT SYSTEM LAB',
'FAC07', '2022-10-06 10:21:21', '2022-10-06 10:42:30'),
```

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

(9, 'SEM1', '20MCA19', 'PROJECT-1', 'FAC03', '2022-10-06 10:21:50', '2022-10-12 09:19:41'),

--

-- Table structure for table `employee`

--

```
CREATE TABLE `employee` (  
  `E_Id` varchar(5) NOT NULL,  
  `E_Name` varchar(255) NOT NULL,  
  `Created_On` timestamp NOT NULL DEFAULT current_timestamp(),  
  `Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

--

-- Dumping data for table `employee`

--

```
INSERT INTO `employee` (`E_Id`, `E_Name`, `Created_On`, `Updated_On`) VALUES  
( 'FAC01', 'Prof. Shrikant Patil', '2022-10-06 16:10:46', '2022-10-06 16:10:46'),  
( 'FAC02', 'Prof. R M Shirwal', '2022-10-06 16:04:12', '2022-10-06 16:04:12'),  
( 'FAC03', 'Prof. Rambhat', '2022-10-06 16:03:01', '2022-10-06 16:03:01'),  
( 'FAC04', 'Prof. Prasanna', '2022-10-06 16:03:24', '2022-10-06 16:03:24'),  
( 'FAC05', 'Prof. Laxmikant', '2022-10-06 16:03:47', '2022-10-06 16:03:47'),  
( 'FAC06', 'Prof. Sudhir', '2022-10-29 13:59:53', '2022-10-29 14:00:08'),  
( 'FAC07', 'Prof. Sidramappa B', '2022-10-29 14:00:54', '2022-10-29 14:00:54');
```

--

-- Table structure for table `student`

--

```
CREATE TABLE `student` (  
  `S_USN` varchar(10) NOT NULL,  
  `S_Batch` varchar(10) NOT NULL,  
  `S_Name` varchar(255) NOT NULL,  
  `Created_On` timestamp NOT NULL DEFAULT current_timestamp(),  
  `Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

--

-- Dumping data for table `student`

--

```
INSERT INTO `student` (`S_USN`, `S_Batch`, `S_Name`, `Created_On`, `Updated_On`) VALUES  
( 'SG21MCA001', '2021-2022', 'Aadesh Elmalkar', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
```

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```
('SG21MCA002', '2021-2022', 'Abishek Datta Jagtap', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA003', '2021-2022', 'Ahamadi Aiman Maniyar', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA004', '2021-2022', 'Aishwarya', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA005', '2021-2022', 'Aishwarya Veerabhadrayya', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA006', '2021-2022', 'Amar Somshekhar Pattan', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA007', '2021-2022', 'Anushree Veerabhadrayya Hiremath', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA008', '2021-2022', 'Apoorva', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA009', '2021-2022', 'Ashwini Madivalappa', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA010', '2021-2022', 'Ashwini Patil', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA011', '2021-2022', 'Avinash', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA012', '2021-2022', 'Ayesha Fatima', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA013', '2021-2022', 'Bhavani J Devani', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA014', '2021-2022', 'Bhavani Rachappa', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
('SG21MCA015', '2021-2022', 'Bushra Haji Mohammed Abdul kareem', '2022-10-06 15:59:51', '2022-10-06 15:59:51'),
```

-- -----

--

-- Table structure for table `users`

--

```
CREATE TABLE `users` (
  `id` int(11) NOT NULL,
  `Username` varchar(50) NOT NULL,
  `Role` varchar(10) NOT NULL,
  `Password` varchar(255) NOT NULL,
  `Created_On` datetime DEFAULT current_timestamp(),
  `Updated_On` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

--

-- Dumping data for table `users`

--

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```
INSERT INTO `users` (`id`, `Username`, `Role`, `Password`, `Created_On`,
`Updated_On`) VALUES
(1,'FAC01','admin','$2y$10$Sj8bA63WU5Stmrvyz97G2uPa4av7.ENoBEkQ1LKqNoN4u
qy3YiXHq', '2022-10-04 19:29:31', '2022-10-29 14:30:07'),
(8,'FAC07','user','$2y$10$.uogzoDdVxTbZsc9rHEJKOFs1zCGIj2GqMtRzfufRba8OYCh
Ax5iS', '2022-10-29 19:58:07', '2022-10-29 14:28:07');
--
-- Indexes for dumped tables
--
--
-- Indexes for table `batch`
--
ALTER TABLE `batch`
  ADD PRIMARY KEY (`B_Id`);

--
-- Indexes for table `cie`
--
ALTER TABLE `cie`
  ADD PRIMARY KEY (`ID`);

--
-- Indexes for table `course`
--
ALTER TABLE `course`
  ADD PRIMARY KEY (`C_Id`);

--
-- Indexes for table `employee`
--
ALTER TABLE `employee`
  ADD UNIQUE KEY `E_Id` (`E_Id`);

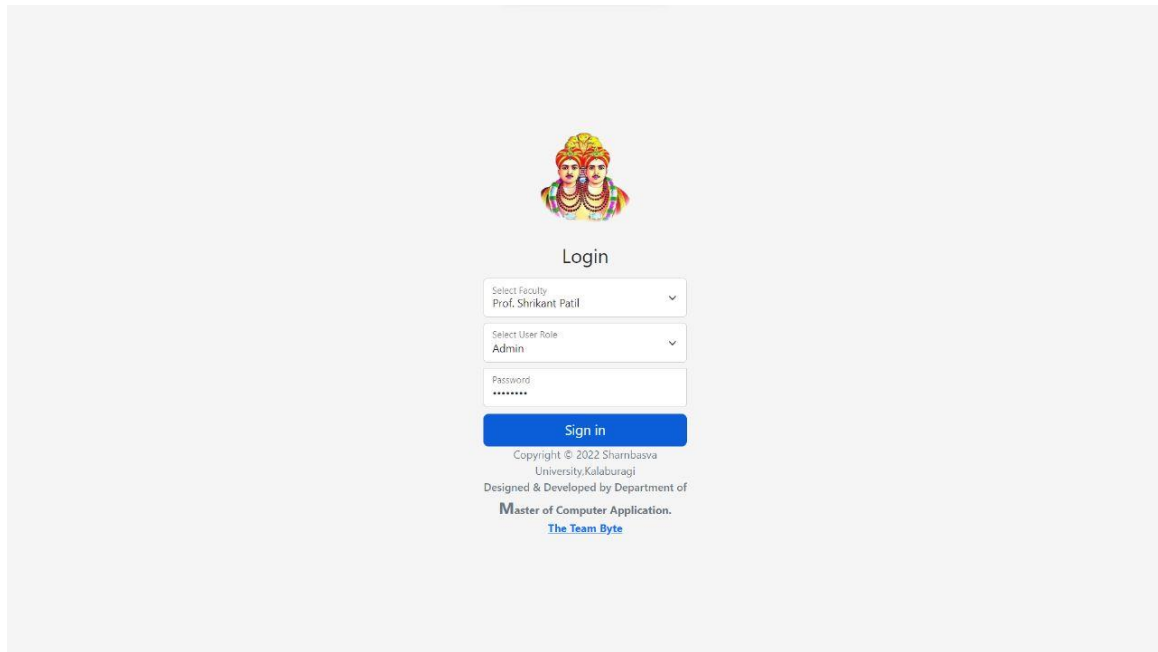
--
-- Indexes for table `student`
--
ALTER TABLE `student`
  ADD UNIQUE KEY `S_USN` (`S_USN`);

--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`id`),
  ADD UNIQUE KEY `username` (`Username`);
--
-- AUTO_INCREMENT for dumped tables
```

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```
--
--
-- AUTO_INCREMENT for table `batch`
--
ALTER TABLE `batch`
  MODIFY `B_Id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `cie`
--
ALTER TABLE `cie`
  MODIFY `ID` int(11) NOT NULL AUTO_INCREMENT;
--
-- AUTO_INCREMENT for table `course`
--
ALTER TABLE `course`
  MODIFY `C_Id` int(11) NOT NULL AUTO_INCREMENT,
  AUTO_INCREMENT=22;
--
-- AUTO_INCREMENT for table `users`
--
ALTER TABLE `users`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=9;
COMMIT;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101
SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION
*/;
```

6.2 RUNTIME FORMS



Login

Select Faculty
Prof. Shrikant Patil

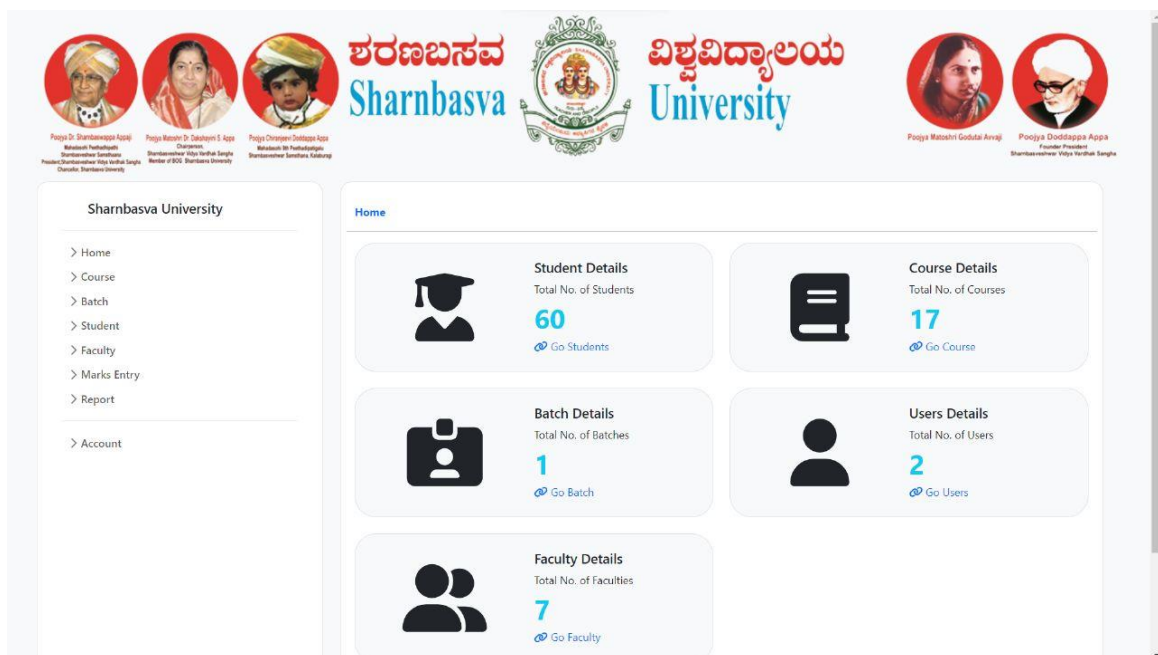
Select User Role
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SEM1

Course Code

20MCA151

Course Title

PROBABILITY AND STATISTICS


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Sl No.	Semester	Course Code	Course Title	Faculty	Created On	Action
1	SEM1	20MCA11	DATA STRUCTURES USING C++	FAC06	2022-10-14 15:41:30	 
2	SEM1	20MCA12	OPERATING SYSTEM AND UNIX	FAC04	2022-10-12 14:48:43	 
3	SEM1	20MCA13	ADVANCED DATABASE MANAGEMENT SYSTEM	FAC07	2022-10-06 16:09:20	 
4	SEM1	20MCA14	SOFTWARE ENGINEERING	FAC02	2022-10-12 14:49:04	 
5	SEM1	20MCA151	PROBABILITY AND STATISTICS	FAC01	2022-10-12 14:49:14	 
6	SEM1	20MCA16	DATA STRUCTURE USING C++ LAB	FAC06	2022-10-06 16:11:38	 
7	SEM1	20MCA17	OPERATING SYSTEM AND UNIX LAB	FAC03	2022-10-06 16:11:57	 
8	SEM1	20MCA18	ADVANCED DATABASE MANAGEMENT SYSTEM LAB	FAC07	2022-10-06 16:12:30	 
9	SEM1	20MCA19	PROJECT-1	FAC03	2022-10-12 14:49:41	 
10	SEM2	20MCA21	PROGRAMMING IN JAVA	FAC03	2022-10-12 14:49:48	 
11	SEM2	20MCA22	ADVANCES IN COMPUTER NETWORKING	FAC04	2022-10-12 14:50:04	 
12	SEM2	20MCA23	WEB TECHNOLOGY	FAC05	2022-10-12 14:50:18	 

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1	2021-2022	2022-10-06 21:27:34	 


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SG21MCA001


2021-2022



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1	SG21MCA001	Aadesh Elmalkar	2022-10-06 21:29:51	 
2	SG21MCA002	Abishek Datta Jagtap	2022-10-06 21:29:51	 
3	SG21MCA003	Ahamadi Aiman Maniyar	2022-10-06 21:29:51	 
4	SG21MCA004	Aishwarya	2022-10-06 21:29:51	 
5	SG21MCA005	Aishwarya Veerabhadrayya	2022-10-06 21:29:51	 
6	SG21MCA006	Amar Somshekar Patten	2022-10-06 21:29:51	 
7	SG21MCA007	Anushree Veerabhadrayya Hiremath	2022-10-06 21:29:51	 
8	SG21MCA008	Apoorva	2022-10-06 21:29:51	 
9	SG21MCA009	Ashwini Madivalappa	2022-10-06 21:29:51	 
10	SG21MCA010	Ashwini Patil	2022-10-06 21:29:51	 


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1	FAC01	Prof. Shrikant Patil	2022-10-06 21:40:46	 
2	FAC02	Prof. R. M. Shirwal	2022-10-06 21:34:12	 
3	FAC03	Prof. Rambhat	2022-10-06 21:33:01	 
4	FAC04	Prof. Prasanna	2022-10-06 21:33:24	 
5	FAC05	Prof. Laxmikant	2022-10-06 21:33:47	 
6	FAC06	Prof. Sudhir	2022-10-29 19:30:08	 
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Batch: 2021-2022 CIE: CIE1 Semester: SEM1 Course: DATA STRUCTURES USING C++


Open Form


Batch: 2021-2022 Semester: SEM1 Marks Type: CIE1 Course Code: 20MCA11


SL No.	USN	CIE1	CIE2	CIE3	Assignment
1	SG21MCA001	10	0	0	0
2	SG21MCA002	15	0	0	0
3	SG21MCA003	0	0	0	0
4	SG21MCA004	0	0	0	0
5	SG21MCA005	0	0	0	0


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CIE & Assignment Final Marks Sheet

Batch: 2021-2022 CIE: CIE1 Semester: SEM1 Course: DATA STRUCTURES USING C++


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Batch: 2021-2022 Semester: SEM1 Marks Type: CIE1 Course Code: 20MCA11


SL No.	USN	CIE1	CIE2	CIE3	Assignment	Final marks
1	SG21MCA001	10	0	0	0	5
2	SG21MCA002	15	0	0	0	8
3	SG21MCA003	0	0	0	0	0
4	SG21MCA004	0	0	0	0	0
5	SG21MCA005	0	0	0	0	0


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Sharnbasavara Vign Veerabha Sangha


Pooja Gokulappa Appa
Founder President
Sharnbasavara Vign Veerabha Sangha

Sharnbasva University

Home

Course

Batch

Student

Faculty

Marks Entry

Report

Account

Home / Report

Generate Report

Batch: 2021-2022 Semester: SEM1 Course: DATA STRUCTURES USING C++

Get Marks


Export Report

Batch: Choose... Semester: Choose... Course: Choose...

Export


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Designed & Developed by Department of
Master of Computer Applications.

Generate Report/Export Report page


Pooja D. Sharnbasappa Appaji
Rajawade Pathakshale
Sharnbasavara Samithi
President Sharnbasavara Vign Veerabha Sangha
Chandole, Sharnbasva University


Pooja Manohar D. Deshpande S. Appa
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Sharnbasavara Vign Veerabha Sangha
Member of BOD, Sharnbasva University
Chandole, Sharnbasva University


Pooja Chaitanya Chaitanya Appa
Mahadashik 9th Pathakshale
Sharnbasavara Samithi, Kalyan



ಶರಣಬಸವ
Sharnbasva
ವಿಶ್ವವಿದ್ಯಾಲಯ
University


Pooja Manohar Gokulappa Appaji
Founder President
Sharnbasavara Vign Veerabha Sangha


Pooja Gokulappa Appa
Founder President
Sharnbasavara Vign Veerabha Sangha







Batch : 2021-2022 Semester : SEM1 Course Code : 20MCA11

Sl No.	USN	Name	CIE 1	CIE 2	CIE 3	Assignment	CIE + Assignment
1	SG21MCA001	Aadesh Elmalkar	10	0	0	0	5
2	SG21MCA002	Abishek Datta Jagtap	15	0	0	0	8
3	SG21MCA003	Ahamadi Aiman Maniyar	0	0	0	0	0
4	SG21MCA004	Aishwarya	0	0	0	0	0
5	SG21MCA005	Aishwarya Veerabhadrayya	0	0	0	0	0
6	SG21MCA006	Amar Somshekhar Pattan	0	0	0	0	0
7	SG21MCA007	Anushree Veerabhadrayya Hiremath	0	0	0	0	0
8	SG21MCA008	Apoorva	0	0	0	0	0
9	SG21MCA009	Ashwini Madivalappa	0	0	0	0	0
10	SG21MCA010	Ashwini Patil	0	0	0	0	0
11	SG21MCA011	Avinash	0	0	0	0	0
12	SG21MCA012	Ayesha Fatima	0	0	0	0	0
13	SG21MCA013	Bhavani J Devani	0	0	0	0	0
14	SG21MCA014	Bhavani Rachappa	0	0	0	0	0
15	SG21MCA015	Bushra Haji Mohammed Abdul kareem	0	0	0	0	0
16	SG21MCA016	Deepali Pandurang	0	0	0	0	0

Report Generated page

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

Copy Excel CSV PDF Search:






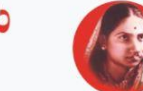








Batch : 2021-2022		Semester : SEM1				Course Code : 20MCA11	
SL No.	USN	Name	CIE 01	CIE 02	CIE 03	Assignment	CIE + Assignment
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3	SG21MCA003	Ahamadi Aliman Maniyar	0	0	0	0	0
4	SG21MCA004	Aishwarya	0	0	0	0	0
5	SG21MCA005	Aishwarya Veerabhadrayya	0	0	0	0	0
6	SG21MCA006	Amar Somshekhar Pattan	0	0	0	0	0
7	SG21MCA007	Anushree Veerabhadrayya Hiremath	0	0	0	0	0
8	SG21MCA008	Apoorva	0	0	0	0	0
9	SG21MCA009	Ashwini Madivalappa	0	0	0	0	0
10	SG21MCA010	Ashwini Patil	0	0	0	0	0

Showing 1 to 10 of 60 entries

Previous 1 2 3 4 5 6 Next

Report Exported page

Sharnbasva University

- > Home
- > Course
- > Batch
- > Student
- > Faculty
- > Marks Entry
- > Report
- > Account
 - Users
 - User Registration
 - Logout

Home / Users / Registration Form

Registration Form

Registration Form New User Has Been Saved Successfully.

Faculty ID	SL No.	Fac ID	Fac Name	Action
Prof. Sidramappa B.	1	FAC01	Prof. Shrikant Patil	Edit Delete
	2	FAC02	Prof. R M Shirwal	Edit Delete
	3	FAC03	Prof. Rambhat	Edit Delete
	4	FAC04	Prof. Prasanna	Edit Delete
	5	FAC05	Prof. Laumikant	Edit Delete
	6	FAC06	Prof. Sudhir	Edit Delete
	7	FAC07	Prof. Sidramappa B.	Edit Delete

☒ Agree to Submit Form

[Submit Form](#)

User Registration page

CHAPTER 7

SYSTEM TESTING

7.1 UNIT TESTING

Unit testing is a technique of testing separate software units to see whether they are suitable for use, including groupings of computer program modules, usage methods, and operating procedures. This testing method involves the developer testing each individual module to see if there are any issues. The effectiveness of the separate modules is related to this. Unit testing methodologies come in two varieties. They are:

Black box testing: Unit tests for input, user interface, and output are all covered by black box testing.

White box testing: This technique tests the functional behavior of a system by supplying input and studying the functionality output, including the underlying design structure and code of the modules..

Benefits of unit testing include:

1. Unit testing has the following advantages: It gives developers the chance to learn what features a unit offers and how to use them in order to gain a basic understanding of the unit API.
2. The programmer can use unit testing to enhance the code and guarantee that the module works as intended.
3. Without having to wait for other project components to be ready, unit testing enables testing of certain project components.

7.1.1 Test case for Admin login page

Test case Id	Description	Expected output	Actual Output	Status
TC_001	Role or password are blank	“Please select an item in the list”	Message displayed	Pass
TC_002	Role is blank	“Please select an item in the list”	Message displayed	Pass
TC_003	Password is blank	“Please enter your password”	Message displayed	Pass
TC_004	Incorrect role or password	“Invalid username, role/ password” This message should be displayed	Message displayed	Pass
TC_005	Correct role and password	Home page should be displayed	Home page is displayed	Pass

7.1.2 Test case for User login page

Test case Id	Description	Expected output	Actual Output	Status
TC_001	Role or password are blank	“Please select an item in the list”	Message displayed	Pass
TC_002	Role is blank	“Please select an item in the list”	Message displayed	Pass
TC_003	Password is blank	“Please enter your password”	Message displayed	Pass
TC_004	Incorrect role or password	“Invalid username, role/ password” This message should be displayed	Message displayed	Pass
TC_005	Correct role and password	Home page should be displayed	Home page is displayed	Pass
TC_006	Forgot Password	Hint question page should be displayed	Hint question page displayed	Pass

7.1.3 Test case for User registration page

Test case Id	Description	Expected output	Actual Output	Status
TC_001	Check all text boxes ,buttons etc.	UI should be perfect	UI is perfect	Pass
TC_002	Check the registration field by not filling any data and click register	Message should be displayed as "please fill up this fields"	Message displayed	Pass
TC_003	Enter all fields and click register	User should be registered successfully	User registered successfully	Pass
TC_004	Enter Password less than 6 characters	User should not be registered "Password must have atleast 6 characters" message should be displayed	Message displayed	Pass

7.2 INTEGRATION TESTING

Integration testing is the procedure of analyzing the border between two software modules or units. The correctness of the interface is the main concern. Integrity testing is performed to find problems with the interactions amid combined units. After all the components have been unit tested, integration testing is conducted.

Test case Id	Description	Expected output	Actual Output	Status
TC_001	Add a student without selecting a batch	Error message should be displayed as “Please select a batch”	Error message displayed	Pass
TC_002	Add a student by selecting a batch	Student should be added successfully	Student added successfully	Pass
TC_003	Add a course without selecting a faculty	Error message should be displayed as “Please select a faculty”	Error message displayed	Pass
TC_004	Add a course by selecting a faculty	Course should be added successfully	Course added successfully	Pass

7.3 VALIDATION TESTING

Validation testing makes sure that the product actually satisfies the customer's needs. You may also think of it as evidence that a product, when utilized appropriately, performs as intended.

Test case Id	Description	Expected output	Actual Output	Status
TC_001	Name validation. Check the name text field that has numbers	Display message “Name must consist of text only	Message displayed	Pass
TC_002	Name validation. Check the name text field that has text.	Error message should not be displayed.	Error message not displayed.	Pass
TC_003	Student USN validation enter 10 digits only in the student USN field.	Error message should be displayed as “Please provide a valid USN”.	Message displayed.	Pass
TC_004	Student validation. Enter the USN in the format (XXYYXXX000) Eg: SG21MCA060.	Entered USN should be stored in the database.	USN stored in database.	Pass

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

TC_005	Batch validation. Check the batch text field that is not in proper format. (YYYY-YYYY)	Input should not be accepted	Input not accepted	Pass
TC_006	Batch validation. Check the batch text field that is in proper format. (YYYY-YYYY)	Input should be accepted	Input accepted	Pass
TC_007	CIE Marks validation. Enter marks greater than 15/less than 1	Display message as “CIE marks should be in between 1 and 15”	Message displayed	Pass
TC_008	CIE Marks validation. Enter marks between 1 and 15	Entered marks should be accepted	Entered marks accepted	Pass
TC_009	Assignment marks validation. Enter marks greater than 35/less than 1	Display message as “Assignment marks should be in between 1 and 35”	Message displayed	Pass
TC_010	Assignment Marks validation. Enter marks between 1 and 35	Entered marks should be accepted	Entered marks accepted	Pass

CIE ENTRY SYSTEM FOR THE MCA PROGRAM

TC_011	Verify admin login with value credentials	Login to admin home page	Login successful	Pass
TC_012	Verify admin with invalid credentials	Error message should be displayed	Message displayed	Pass
TC_013	Add student to the database	Add Student should be stored in database	Student added successfully	Pass
TC_014	Add new batch to the database	Added batch should be stored in database	Batch added successfully	Pass
TC_015	Add new course to the database	Added course should be stored in database	Course added successfully	Pass
TC_016	Add new Faculty to the database	Added Faculty should be stored in database	Faculty added successfully	Pass

CHAPTER 8

CONCLUSION

This application is designed to enhance and automate the CIE marks entry using a computerized system. A well-defined, efficient, controlled and managed information system or software based on web technology storing, processing and providing information through the system. The objectives were achieved by following a process model such as system analysis, design and system implementation.

In near future, the system interface could be improved, with more attractive, interactive and meaningful images. Enhance the system with an email and OTP (One Time Password) or email notifications. Enhance the current system by computerizing almost all of the services provided by the institution (online exams, enrollment, attendance and others). Evolve the system by developing several versions through users' feedback, if this solution has not been worked out appropriately.