

DEVELOPMENT OF ONLINE COURSE PORTAL AND COUNSELLING CENTER

A Project Report submitted by

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(VAS16MCA6)

to APJ Abdul Kalam Technological University
in partial fulfillment of the requirements for the award of the degree of
Master of Computer Applications



Department of Computer Applications

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Thalakkottukara, Thrissur - 680 501

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22nd May 2019

COMPLETION CERTIFICATE

This is to certify that Mr. ANIL AUGUSTINE CHALISSERY (REG. NO: VAS16MCA6), Master of Computer Applications, student of VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY – THRISSUR has successfully completed the project entitled "DEVELOPMENT OF ONLINE COURSE PORTAL AND COUNSELLING CENTRE" on the platform of JAVA, under the guidance of Mr. Melvin E Assisi from JAN 2019 TO MAY 2019 in our company.

During this period, he had been exposed to different processes and found to be punctual, hardworking and inquisitive. We wish his every success in life and career.

For JAZZ SOLUTIONS PVT. LTD,

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Department of Computer Applications**Vidya Academy of Science & Technology****Thalakkottukara, Thrissur - 680 501**<http://www.vidyaacademy.ac.in>**CERTIFICATE**

This is to certify that the report titled **Development of Online Course Portal and Counselling Center** is a bona-fide record of the work related to the paper RLMCA352 Project and Viva Voce done by **Anil Augustine Chalisery (Reg. No. VAS16MCA6)** of S6 MCA (2016 admissions) class of Vidya Academy of Science & Technology, Thrissur - 680501 in partial fulfillment of the requirement for the award of the Degree of Master of Computer Applications of APJ Abdul Kalam Technological University.

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Signature :

Date : June 1, 2019

Head of Department

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Signature :

Date : June 1, 2019

(Seal of Department of Computer Applications)



Declaration

I, **Anil Augustine Chalissery**, studying in Sixth Semester MCA (2016 admissions) class of Vidya Academy of Science & Technology, Thrissur – 680501, hereby declare that the project report (“Development of Online Course Portal and Counselling Center”) submitted by me for partial fulfillment of the requirements for the award of degree of Master of Computer Applications of APJ Abdul Kalam Technological University, Kerala, is a bona fide work done by me under supervision of Prof. Manesh D . This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

Place : Thrissur – 680501

Signature of student :

Date : June 1, 2019

Name of student : Anil Augustine Chalissery



Acknowledgment

I wish to record my indebtedness and thankfulness to all who helped me prepare this Report titled Development of Online Course Portal and Counselling Center and present it in a satisfactory way. This Report is part of my work related to the paper RLMCA352 Project and Viva Voce.

I am especially thankful to my guide and supervisor Prof. Manesh D in the Department of Computer Applications for giving me valuable suggestions and critical inputs in the preparation of this report. I am also thankful to Dr V N Krishnachandran, the Head of Computer Applications for encouragement.

My friends in my class have always been helpful and I am grateful to them for patiently listening to my presentations on my work related of the project.

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Synopsis

Online course portal(OCP) is one of the very efficient and effective way of combining learning, testing and discussing on one platform. Different courses are available so that the student can have maximum benefit. Students who are willing to study more can further explore their required courses. Here the standard courses are available.

OCP allow instructors to upload course information for easy student access. OCP provide accessible exchange of information between professors and students. If the department delivers a course asynchronously, degree candidates may view lectures and course materials, such as Power-Point presentations and syllabi, at their leisure. Synchronous courses, however, require scheduled attendance through online chats or conferencing.

Learners submit assessments through OCP by posting on discussion forums and submitting tasks through applicable links. To submit a research paper, for instance, a student using Black-board could click on the particular assignment link to upload the finished product. Professors may provide feedback to the student through comments or email when using this LMS.

On the basis of standard courses that are available the student can appear the quizzes respectively. The quizzing facility available provides the students to test their knowledge and further does their self assessment. It is also possible to clear the doubts as the discussion facility open for all. Anyone can discuss in public and achieve the complete knowledge. For all the facilities available, appropriate method have been used i.e. JSP (JavaServer Pages) technology. So the project is flexible, simple, efficient, secure and it is quite familiar to all.

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PROJECT REPORT

Chapter 1

INTRODUCTION

1.1 Project Overview

Online course portal is software developed for student in schools, colleges and institutes to access online course material. This project aims at creating a Courses portal for a campus/organization. This allows registered users of the system to join a course available in the site and access the materials published for the course. People can register themselves as students of a course or Faculty for a course. It facilitates to access the information of a particular course. The information is provided by the teacher for a particular course. The purpose of developing software is to computerized the tradition way of taking class.

In order to form a clear sketch of this project, here's a brief introduction of the features and scope of Online Course Management System. This project consists of three sections which are inter-linked to each other. These section are:

- Administrator Section
- Students Section
- Instructor Section

Each of the above section has certain specific task to perform. Administrator section is for controlling administrative works such as verifying and approving account for instructors, view curriculum and coding the subjects etc. So, Administrator section can be considered as skeleton section on which other section rely on.

Student section and Instructor section have been designed for students and instructors to log in to the account created by administrator and share information. Students can register with application and submit their home work. Whereas, Instructors can check students' home works and assign grades for their work.

1.2 Organization Profile

Jazz IT Solution was established in 2011. Jazz IT Solutions is the training wing of Aumento Performers Solutions Pvt Ltd (An ISO 9001-2008 Certified Company) with the main objective of promoting IT Education and practices across the Globe.

It's a fast growing IT Education Company which has maintained its leadership in imparting quality services. Training programs will help prepare you for employment opportunities through traditional Instructor Led Training, hands-on training, certification achievement, and interviewing preparation. Jazz IT programs designed to give you real-world workplace experience.

Jazz IT Solution provides the best IT training in the industry, different courses, online training etc. Jazz IT Solutionsr also provide internship, academic project guidance, online training for BTech/BE (ECE, EEE, CSE, IT) , MCA, MSc , MTech, BCA , BSc , Diploma students in different streams like Electronics , Electrical , Computer Science , Information Technology etc.

Jazz IT Solution provide guideline in different platform like PHP , Android , JAVA ,Embedded System , Digital Image Processing (DIP) , VLSI , NS2 (networking) etc.

We are happy to introduce our self (Jazz IT Solution) as one of the growing training and staffing consultant in Kerala. We provide technical guidance to Software and electronic professionals. We help Professionals and students for specialize their technical skills. We are not just trainers who just provide training and certificate for a technical skill. We make our trainees to suit for the technology.

Jazz IT Solution provide academic project guidance to professional students. Academic project is important section for all kind of professional courses like MTech and Btech. Futuro IT Solutions gives minor and major project guidance to the student of MCA, BTech Computer Science, BTech Electronics, BSC Computer Science, and Diploma students. We will train the technology and make them confident to do their project themselves. That makes them unique in all other Project guidance centers and training institutes in Kerala.

Jazz IT Solution training team is a team of highly talented professionals. They make technical experts rather than professionals. Our hard working team coupled with professionalism results in total efficiency and superior skills, which benefit our clients and trainees alike.

Chapter 2

SYSTEM ANALYSIS

System Analysis refers to the process of examining a business situation with the intent of improving it through better procedures and methods. System analysis relates to shaping organizations, improving performance and achieving objectives for profitability and growth.

The emphasis is on systems in action, the relationships among subsystems and their contribution to meeting a common goal. Looking at a system and determining how adequately it functions, the changes to be made and the quality of the output are parts of system analysis.

2.1 The Existing System

Offline education has been a part of our education system for as long we can remember.

In the existing system, we can store all the record manually that require large manpower and place to store all the records this system was carried out through a manual process.

It leads to following disadvantages.

- Maintenance of records is difficult
- Chance of occurrence of errors
- Involves large amount of paperwork
- Slow updating and renewal of data

2.2 Proposed System

The current challenges facing traditional colleges and universities — including higher tuition, budget cuts, and course shortages — cause many students to search for alternatives. With nearly three million students currently enrolled in fully online programs and six million taking at least

one online course as part of their degree, online education has clearly become one of the most popular higher education alternatives. The continually improving reputation of online learning helped fuel its expansion, as initial skepticism faltered in the face of evidence showing that online learning can be just as effective as face-to-face education.

All of this means that students, from working professionals to recent high school graduates, find many reasons to take all or some of their courses online.

Automated To overcome the disadvantages of the existing system we proposed the online system. The best technology learning tools such as group chats, multimedia presentation and interactive software are used by us to provide online education.

Online course portal is one of the very efficient and effective way of combining learning, testing and discussing on one platform. Different courses are available so that the student can have maximum benefit. Students who are willing to study more can further explore their required courses. Here the standard courses are available.

On the basis of standard courses that are available the student can appear the quizzes respectively. The quizzing facility available provides the students to test their knowledge and further does their self assessment. It is also possible to clear the doubts as the discussion facility open for all. Anyone can discuss in public and achieve the complete knowledge. For all the facilities available, appropriate method have been used i.e. JSP (JavaServer Pages) technology. So the project is flexible, simple, efficient, secure and it is quite familiar to all.

This application introduce all types of question papers and solutions regarding the course It also provides an audio lecture for each subject. The following are the advantages of proposed system.

- The automated system is time-saving and better performance than the manual based system.
- Students are encouraged to think critically and support their opinions.
- It supports the learning style of both audio and visual learners
- class time is not wasted.
- Students who excel in online class develop a system for keeping track of upcoming online exams and assignments due dates.
- There are no traffic jams, parking hassles are adverse weather conditions
- it enables the students to access course materials and contributed to discussion boards.
- Home comfort.
- Cost savings.

Chapter 3

FEASIBILITY STUDY

Feasibility study is a test of the system proposal according to its workability, impact on the organization, ability to meet user and effective use of resources. The objective of feasibility study is not to solve the problem. But to acquire a sense of its scope. During this study, the problem definition is crystalized and benefits are estimated with greater detail at this stage. The result of feasibility study is a system formal proposal. This is simply a form of documenting or detailing the nature and scope of proposed solution. The key considerations involved in the feasibility analysis are technical, economic and operational.

3.1 Technical Feasibility

Technical feasibility centres on the existing manual system and to what extent it can support the system. According to feasibility analysis procedure the technical feasibility of the system is analyzed and the technical requirements such is software facilities, procedure, inputs, are identified. It is also one of the important phases of the system development activities.

3.2 Economical Feasibility

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with cost, decision is made to design and implement the system. This part of feasibility study gives the economic justification of the system.

The system being developed is economic with respect to School or Collage's point of view. It is cost effective in the sense that has eliminated the paper work completely. The system is also time effective because the calculations are automated which are made at the end of the month or as per the user requirement. The result obtained contains minimum errors and are highly accurate



as the data is required.

3.3 Operational Feasibility

This is performed to check whether the system is operationally feasible or not. Using command buttons throughout the application programs enhances operational feasibility. So maintenance and modification is found to be easier. This feasibility is dependent on human resources (software development team) and involves visualizing whether the software will operate after it is developed and be operative once it is installed. A network admin can himself do all things in this system.

Chapter 4

SYSTEM DESIGN

System designing in terms of software engineering has its own value and importance in the system development process as a whole. To mention it may though seem as simple as anything or simply the design of systems, but in a broader sense it implies a systematic and rigorous approach to design such a system which fulfills all the practical aspects including flexibility, efficiency and security. Systems design is the process of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development.

The system design covers the following ,Reviews the current physical system, Prepares output specifications, Prepares input specifications, Prepares edit, security and control specifications, Specifies the implementation plan, Prepares a logical design walk through of the information flow, output, input, controls and implementation plan.

4.1 Input Design

The input design is the link between the information system and the user. It comprises the developing specification and procedures for data preparation and those steps are necessary to put transaction data in to a usable form for processing can be achieved by inspecting the computer to read data from a written or printed document or it can occur by having people keying the data directly into the system. The design of input focuses on controlling the amount of input required, controlling the errors, avoiding delay, avoiding extra steps and keeping the process simple. The input is designed in such a way so that it provides security and ease of use with retaining the privacy. Input Design considered the following things that are what data should be given as an input, how the data should be arranged or coded, dialog to guide the operating personnel in providing input and methods for preparing input validations and steps to follow when error occur.

4.2 Output Design

A quality output is one, which meets the requirements of the end user and presents the information clearly. In any system results of processing are communicated to the users and to other system through outputs. In output design it is determined how the information is to be displaced for immediate need and also the hard copy output. It is the most important and direct source information to the user. Efficient and intelligent output design improves the system's relationship to help user decision-making.

Designing computer output should proceed in an organized, well thought out manner; the right output must be developed while ensuring that each output element is designed so that people will find the system can use easily and effectively. When analysis design computer output, they should Identify the specific output that is needed to meet the requirements.

4.3 Database Design

In designing a database application you must set up not only the program's routines for maximum performance, but you must pay attention also to the physical layout of the data storage. A good database design does the following:

- Provides minimum search times when locating specific records.
- Stores the data in efficient manner possible to keep the database from growing too large.
- Makes data updates as easy as possible.
- It is flexible enough to allow inclusion of new functions required of the program.

Normalization is a process of converting a relation to a standard form. The process is used to handle the problems that can arise due to data redundancy i.e. repetition of data in the database, maintain data integrity as well as handling problems that can arise due to insertion, updating, deletion anomalies. Insertion anomaly: Inability to add data to the database due to absence of other data. Deletion anomaly: Unintended loss of data due to deletion of other data. Update anomaly: Data inconsistency resulting from data redundancy and partial update. Decomposing is the process of splitting relations into multiple relations to eliminate anomalies and maintain anomalies and maintain data integrity. To do this we use normal forms or rules for structuring relation. Normal Forms are the rules for structuring relations that eliminate anomalies. Different normal forms are used in database.

• First Normal Form

A relation is said to be in first normal form if the values in the relation are atomic for every attribute in the relation. By this we mean simply that no attribute value can be a set of values or, as it is sometimes expressed, a repeating group.

- **Second Normal Form:**

A relation is said to be in second Normal form if it is in first normal form and it should satisfy any one of the following rules.

1. Primary key is not a composite primary key
2. No non key attributes are present.
3. Every non key attribute is fully functionally dependent on full set of primary key.

- **Third Normal Form**

A relation is said to be in third normal form if there exists no transitive dependencies. Transitive Dependency: If two non-key attributes depend on each other as well as on the primary key then they are said to be transitively dependent. The above normalization principles were applied to decompose the data in multiple tables thereby making the data to be maintained in a consistent state.

The database is implemented using a DBMS package. Each particular DBMS has unique characteristics and general technique for database design. The application stores the information relevant for processing to SQL database. This SQL database contains tables where each table corresponding to one particular type of information. Each piece of information in a table is called a field or column. A table also contains records, which is a set of fields. These are primary key fields that are uniquely identifying a record in a table. There are also fields that contain primary key from another table called foreign key.

- **Candidate Key**

In the relational model, a candidate key of a relation variable is a set of attributes of that relation variable such that at all times it holds in the relation assigned to that variable that there are no two distinct tuples with the same values for these attributes and there is not a proper subset of this set of attributes for which (1) holds.

- **Primary key**

In relational database design, a unique key or primary key is a candidate key to uniquely identify each row in a table. A unique key or primary key comprises a single column or set of columns. No two distinct rows in a table can have the same value in those columns. Depending on its design, a table may have arbitrarily many unique keys but at most one primary key. A unique key must uniquely identify all possible rows that exist in a table and not only the currently existing rows. Examples are social security numbers, id of student, id of employee etc.

- **Foreign key**

In the context of relational databases, a foreign key is a referential constraint between two tables. The foreign key identifies a column or a set of columns in another table. The columns in the referencing table must be the primary key or other candidate key in the referenced table. The values in one row of the referencing columns must occur in a single row in the referenced table. Thus a row in the referencing table cannot contain values that don't exist in the referenced table.

- **Candidate key**

Candidate keys are those keys which is candidate for primary key of a table. In simple words we can understand that such type of keys which full fill all the requirements of primary key which is not null and have unique records is a candidate for primary key. So thus type of key is known as candidate key. Every table must have at least one candidate key but at the same time can have several.

- **Composite key**

When we create keys on more than one column then that key is known as composite key. Like here we can take an example to understand this feature. I have a table Student which has two columns Sid and SrefNo and we make primary key on these two column. Then this key is known as composite key.

- **Alternate key**

If any table have more than one candidate key, then after choosing primary key from those candidate key, rest of candidate keys are known as an alternate key of that table. Like here we can take a very simple example to understand the concept of alternate key. Suppose we have a table named Employee which has two columns EmpID and EmpMail, both have not null attributes and unique value. So both columns are treated as candidate key. Now we make EmpID as a primary key to that table then EmpMail is known as alternate key.

Chapter 5

IMPLEMENTATION , TESTING AND VALIDATION

5.1 Implementation

Login.jsp

```
<%--
    Document : Login
    Created on : Mar 28, 2019, 3:36:15 PM
    Author : test
--%>
<!doctype html>
<html lang="en" class="fullscreen-bg">

<head>
    <title>Login | Online Course Portal</title>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
    <meta name="viewport" content="width=device-width, initial-scale
        =1.0,
        maximum-scale=1.0, user-scalable=0">
    <!-- VENDOR CSS -->
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <link rel="stylesheet"
        href="assets/vendor/font-awesome/css/font-awesome.min.css
        ">
    <link rel="stylesheet" href="assets/vendor/linearicons/style.css
        ">
```

```
<!-- MAIN CSS -->
<link rel="stylesheet" href="assets/css/main.css">
<!-- FOR DEMO PURPOSES ONLY. You should remove this in your
      project -->
<link rel="stylesheet" href="assets/css/demo.css">
<!-- GOOGLE FONTS -->
<link href="https://fonts.googleapis.com/css?
      family=Source+Sans+Pro:300,400,600,700" rel="stylesheet">
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76"
      href="assets/img/apple-icon.png">
<link rel="icon" type="image/png" sizes="96x96"
      href="assets/img/favicon.png">
<script>
history.pushState(null,document.title, location.href);
window.addEventListener('popstate',function(event))
{
    history.pushState(null,document.title,location.href);

});
</script>
</head>

<body >
    <!-- WRAPPER -->
    <div id="wrapper">
        <div class="vertical-align-wrap">
            <div class="vertical-align-middle">
                <div class="auth-box">
                    <div class="left">

                        <div class="content">

                            </div>
                        </div>
                    <div class="right">
                        <div class="content">
                            <div class="header">
                                <div class="logo text-center">
                                    
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>
```

```

        <p class="lead">Login to your account</p>
    </div>
    <form class="form-auth-small" action="LoginAction.jsp"
        method="Post">
        <div class="form-group">
            <label for="signin-email" class="control-label sr-
                only" >Email</label>
            <input type="email" class="form-control" id="signin-email"
                placeholder="Email" name="email" required>
            </div>
            <div class="form-group">
            <label for="signin-password" class="control-label sr-only">
                Password</label>
                <input type="password" class="form-control" id="
                    signin-password"
                    placeholder="Password" name="password" required
                >
            </div>
            <div class="form-group clearfix">
                <label class="fancy-checkbox
                    element-left">
                    <input type="checkbox">
                    <span>Remember me</span>
                </label>
            </div>
            <button type="submit" class="btn btn-primary btn-lg btn-
                block">LOGIN</button>
            <div class="bottom">
            <span class="helper-text" >
                <i class="fa fa-lock"></i>
                <a href="#">Forgot password?</a>
            </span>
            <span class="helper-text">
            <i class="lnr lnr-user"></i>
                <a href="StudentRegs.jsp">New user / Register now</a>
            </span>
            </div>
        </form>
    </div>
</div>

```




```

        </div>
    </div>
</div>
<!-- END WRAPPER -->
</body>

</html>

```

LoginAction.jsp

```

<%--
    Document : LoginAction
    Created on : Mar 28, 2019, 3:47:18 PM
    Author : test
--%>

<%@page import="java.sql.ResultSet"%>
<%@page import="DAL.DBConnect"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
        <%String email=request.getParameter("email");
        String password=request.getParameter("password");
        // out.print("Select * from admin where a_email='"+email+"'
        and a_password='"+password+"'");
        ResultSet rs = DAL.DBConnect.SelectData("Select * from admin
        where a_email='"+email+"' and a_password='"+password+"'");
        ResultSet rs1 = DAL.DBConnect.SelectData("Select * from student
        where s_email='"+email+"' and s_password='"+password+"'");
        ResultSet rs2 = DAL.DBConnect.SelectData("Select * from
        instructor where i_email='"+email+"' and i_password='"+
        password+"'");
        session.setAttribute("type", "" );
        if(rs.next())
        {
            String dbemail=rs.getString("a_email");
            String dbpassword=rs.getString("a_password");
            String username=rs.getString("a_name");
            // out.print("Select * from admin where a_email="+email+" and

```

```
a_password="+password);
if(email.equals(dbemail) && password.equals(dbpassword))
{
    session.setAttribute("user",username );
    session.setAttribute("type", "admin" );
//THIS IS HOW WE DECLARE THE USER IN A SESSION
    response.sendRedirect("home.jsp"); //AND WE
        REDIRECTED TO LOGIN PAGE

    // response.sendRedirect("home.jsp");
}

}
else
{
    out.print("Sorry, username or password error!");
    String msg="Sorry, username or password error!";
    %>
<jsp:include page="Login.jsp"></jsp:include>
<%
    }
    %>
    <%
        if(rs1.next())
        {
            String dbemail=rs1.getString("s_email");
            String dbpassword=rs1.getString("s_password");
            String username=rs1.getString("s_name");
            String s_id=rs1.getString("s_id");
            // out.print("Select * from admin where a_email="+email+" and
            a_password="+password);
            if(email.equals(dbemail) && password.equals(dbpassword))
            {
                session.setAttribute("user",username );
                session.setAttribute("s_id", s_id );
                session.setAttribute("type", "student" );
                //THIS IS HOW WE DECLARE THE USER IN A SESSION
                response.sendRedirect("s_home.jsp"); //AND WE REDIRECTED TO
                    LOGIN PAGE

                // response.sendRedirect("home.jsp");
```

```
    }

    }
    else
    {
        out.print("Sorry, username or password error!");
        String msg="Sorry, username or password error!";
        %>
<jsp:include page="Login.jsp"></jsp:include>
<%
    }
    %>
    <%
        if(rs2.next())
        {
            String dbemail=rs2.getString("i_email");
            String i_id=rs2.getString("i_id");
            String dbpassword=rs2.getString("i_password");
            String username=rs2.getString("i_name");
            if(email.equals(dbemail) && password.equals(dbpassword))
            {
                session.setAttribute("user",username );//THIS IS HOW WE
                DECLARE THE USER IN A SESSION
                session.setAttribute("i_id", i_id );
                session.setAttribute("type", "instructor" );
                response.sendRedirect("i_home.jsp"); //AND WE REDIRECTED TO
                LOGIN PAGE

                // response.sendRedirect("home.jsp");
            }
        }
    else
    {
        out.print("Sorry, username or password error!");
        String msg="Sorry, username or password error!";
        %>
<jsp:include page="Login.jsp"></jsp:include>
<%
    }
    %>
</head>
```

```
<body>
  <h1>Hello World!</h1>
</body>
</html>
```

StudentRegistration.jsp

```
<%--
  Document : userReg
  Created on : Apr 10, 2019, 10:05:39 PM
  Author : test
--%>
<!doctype html>
<html lang="en">

<head>
  <title>Insert student data table | Online Course Portal</title>

  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
  <meta name="viewport" content="width=device-width, initial-scale
    =1.0, maximum-scale=1.0, user-scalable=0">
  <!-- VENDOR CSS -->
  <link rel="stylesheet" href="assets/vendor/bootstrap/css/
    bootstrap.min.css">
  <link rel="stylesheet" href="assets/vendor/font-awesome/css/font-
    awesome.min.css">
  <link rel="stylesheet" href="assets/vendor/linearicons/style.css
    ">
  <!-- MAIN CSS -->
  <link rel="stylesheet" href="assets/css/main.css">
  <!-- FOR DEMO PURPOSES ONLY. You should remove this in your
    project -->
  <link rel="stylesheet" href="assets/css/demo.css">
  <!-- GOOGLE FONTS -->
  <link href="https://fonts.googleapis.com/css?family=Source+Sans+
    Pro:300,400,600,700" rel="stylesheet">
  <!-- ICONS -->
  <link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple
    -icon.png">
  <link rel="icon" type="image/png" sizes="96x96" href="assets/img/
    favicon.png">
</head>
```



```

<body>
  <!-- WRAPPER -->
  <div id="wrapper">
    <!-- NAVBAR -->
    <nav class="navbar navbar-default navbar-fixed-top">
      <div class="brand">
        <a href="Login.jsp"></a>
      </div>
      <div class="container-fluid">
        <div class="navbar-btn">
          <button type="button" class="btn-toggle-
            fullwidth"><i class="lnr lnr-arrow-
              left-circle"></i></button>
        </div>
        <!-- <form class="navbar-form navbar-left">
          <div class="input-group">
            <input type="text" value="" class="
              form-control" placeholder="
                Search dashboard...">
            <span class="input-group-btn"><
              button type="button" class="btn
                btn-primary">Go</button></span
            >
          </div>
        </form>-->
        <!--<div class="navbar-btn navbar-btn-right">
          <a class="btn btn-success update-pro"
            href="https://www.themeineed.com/
              downloads/klorofil-pro-bootstrap-
                admin-dashboard-template/?utm_source=
                  klorofil&utm_medium=template&
                    utm_campaign=KlorofilPro" title="
                      Upgrade to Pro" target="_blank"><i
                        class="fa fa-rocket"></i> <span>
                          UPGRADE TO PRO</span></a>
        </div>-->
        <div id="navbar-menu">
          <!--<ul class="nav navbar-nav navbar-

```

```

right">
  <li class="dropdown">
    <a href="#" class="dropdown-
      toggle icon-menu" data-
      toggle="dropdown">
      <i class="lnr lnr-alarm
        "></i>
      <span class="badge bg-
        danger">5</span>
    </a>
    <ul class="dropdown-menu
      notifications">
      <li><a href="#" class="
        notification-item
        "><span class="dot
        bg-warning"></span>
        System space is
        almost full</a></li>
      </li>
      <li><a href="#" class="
        notification-item
        "><span class="dot
        bg-danger"></span>
        You have 9
        unfinished tasks</a>
      </li>
      <li><a href="#" class="
        notification-item
        "><span class="dot
        bg-success"></span>
        Monthly report is
        available</a></li>
      <li><a href="#" class="
        notification-item
        "><span class="dot
        bg-warning"></span>
        Weekly meeting in 1
        hour</a></li>
      <li><a href="#" class="
        notification-item
        "><span class="dot

```

```

        bg-success"></span>
        Your request has
        been approved</a></
        li>
        <li><a href="#" class="
        more">See all
        notifications</a></
        li>
    </ul>
</li>-->
<!-- <li class="dropdown">
    <a href="#" class="dropdown-
    toggle" data-toggle="
    dropdown"><i class="lnr
    lnr-question-circle"></i>
    <span>Help</span> <i
    class="icon-submenu lnr
    lnr-chevron-down"></i></a
    >
    <ul class="dropdown-menu">
        <li><a href="#">Basic
        Use</a></li>
        <li><a href="#">Working
        With Data</a></li>
        <li><a href="#">
        Security</a></li>
        <li><a href="#">
        Troubleshooting</a
        ></li>
    </ul>
</li>-->
<!--<li class="dropdown">
    <a href="#" class="dropdown-
    toggle" data-toggle="
    dropdown"> <span><%%out.
    print(uid);%></span> <i
    class="icon-submenu lnr
    lnr-chevron-down"></i></a

```



```

>
<ul class="dropdown-menu">
  <li><a href="#"><i
    class="lnr lnr-user
"></i> <span>My
Profile</span></a
></li>
  <li><a href="#"><i
    class="lnr lnr-
envelope"></i> <
span>Message</span
></a></li>
  <li><a href="#"><i
    class="lnr lnr-cog
"></i> <span>
Settings</span></a
></li>
  <li><a href="Logout.jsp
"><i class="lnr lnr
-exit"></i> <span>
Logout</span></a></
li>
</ul>
</li>-->
<!-- <li>
  <a class="update-pro" href="
https://www.themeinneed.
com/downloads/klorofil-
pro-bootstrap-admin-
dashboard-template/?
utm_source=klorofil&
utm_medium=template&
utm_campaign=KlorofilPro"
title="Upgrade to Pro"
target="_blank"><i class
="fa fa-rocket"></i> <
span>UPGRADE TO PRO</span
></a>
</li> -->
</ul>
</div>

```




```

        </div>
    </nav>
    <!-- END NAVBAR -->
    <!-- LEFT SIDEBAR -->
    <div id="sidebar-nav" class="sidebar">
        <div class="sidebar-scroll">
            <nav>
                <ul class="nav">
                    <li><a href="StudentRegs.jsp" class
                        ="active"><i class="lnr lnr-
                        user"></i> <span>Student
                        Registration</span></a></li>

                    <li><a href="instructorRegs.jsp"
                        class=""><i class="lnr lnr-user
                        "></i> <span>Instructor
                        Registration</span></a></li>
                    <!--<li><a href="studenttables.jsp"
                        class=""><i class="lnr lnr-
                        dice"></i>Student Table</a></li>
                    >
                        <li><a href="
                            instructortables
                            .jsp" class
                            =" "><i class
                            ="lnr lnr-
                            dice"></i>
                            Instructor
                            Table</a></li>
                        >
                        <li><a href="
                            courseoptedtable
                            .jsp" class
                            =" "><i class
                            ="lnr lnr-
                            dice"></i>
                            Course opted
                            Table</a></li>
                        >
                        <li><a href="
                            coursedatatable

```



```

        .jsp" class
        =" "><i class
        ="lnr lnr-
        dice"></i>
        Course Table
        </a></li>
    <li><a href="
        depttable.jsp
        " class=" "><i
        class="lnr
        lnr-dice"></i>
        >Departments
        table</a></li>
    >
    <li><a href="
        intract.jsp"
        class=" "><i
        class="lnr
        lnr-dice"></i>
        >Chat table</
        a></li>-->
</ul>
</nav>
</div>
</div>
<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">
    <!-- MAIN CONTENT -->
    <div class="main-content">
        <div class="container-fluid">
            <h3 class="page-title"> Student
            Registration</h3>
            <div class="row">
                <div class="col-md-6">
                    <!-- BUTTONS -->

                    <!-- END BUTTONS -->

                    <!-- INPUTS -->

```



```
<div class="panel">
  <div class="panel-
    heading">
    <h3 class="panel-
      title">Inputs
    </h3>
  </div>
  <div class="panel-body
    ">
    <form action="
      studentregaction_1
      .jsp" method="
        post">
      <input type="text
        " class="form
          -control"
        placeholder="
          Name" name="
            s_name"
            required>
      <br>

      <label class="
        fancy-radio">
        <input name
          ="
            gender"
            value
              ="Male"
            type="
              radio"
              checked
                >
        <span><i></
          i>Male
        </span>
      </label>
      <label class="
        fancy-radio">
        <input name
          ="
```

```
        gender"
        value
        ="
        Female"
        type="
        radio"
        >
        <span><i></
        i>
        Female
        </span>
</label>
<br>
<input type="
    email" class
    ="form-
    control"
    placeholder="
    Email" name="
    s_email"
    required>
<br>
<input type="text
    " class="form
    -control"
    pattern
    ="[7-9]{1}[0-9]{9}"
    title="Enter
    valid Number
    "
    placeholder="
    Mobile" name
    ="s_mob"
    required>
<br>

<input type="
    password"
    class="form-
    control"
    placeholder="
```



```

        password"
        name="
        s_password"
        required>
    <br>
    <input type="
        submit" value
        ="Register"
        class="btn
        btn-primary">
    <br>
    <%
    if(request.getParameter("a
        ")!=null)
    {
        %> <jsp:include page="
            emailAlert.jsp"></
            jsp:include> <%
    }

    %>

    </div>
</div>
<!-- END INPUTS -->

</div>

</div>
</div>
</div>
<!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
    <div class="container-fluid">
        <p class="copyright">&copy; 2017 <a href="https
            ://www.themeined.com" target="_blank">
            Theme I Need</a>. All Rights Reserved.</p>
    </div>

```



```

        </footer>
    </div>
    <!-- END WRAPPER -->
    <!-- Javascript -->
    <script src="assets/vendor/jquery/jquery.min.js"></script>
    <script src="assets/vendor/bootstrap/js/bootstrap.min.js"></
        script>
    <script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.
        min.js"></script>
    <script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

```

StudentRegistrationAction.jsp

```

<%--
    Document : studentregaction
    Created on : Mar 7, 2019, 2:50:09 PM
    Author : test
--%>

<%@page import="DAL.DBConnect"%>
<%@page import="java.sql.ResultSet"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF
            -8">
        <title>registration process</title>
        <%
            // String type = (String)session.getAttribute("type");
            String s_name=request.getParameter("s_name");
            String gender=request.getParameter("gender");
            String s_email=request.getParameter("s_email");
            String s_password=request.getParameter("s_password");
            //String s_password_check=request.getParameter("s_password_check
                ");
            String s_mob=request.getParameter("s_mob");
            String status="Pending";
            ResultSet rs=DBConnect.SelectData("Select * from student where
                s_email='"+s_email+"' ");

```



```

//int flag=0;

    if(rs.next())
    {
        %> <jsp:include page="StudentRegs.jsp?a=emailExists"></jsp
            :include><%
    }
else{

    DAL.DBConnect.ExecuteQuery("insert into student (s_name,gender,
        s_mob,s_email,s_password) values ('"+s_name+"','"+gender
        +"','"+s_mob+"','"+s_email+"','"+s_password+"')");
    response.sendRedirect("Login.jsp");
}
%>
</head>
<body>
    <h1>Registered</h1>
</body>
</html>

```

InstructorRegistration.jsp

```

<%--
    Document : instructorRegs
    Created on : Apr 16, 2019, 9:10:34 AM
    Author : test
--%>
<!doctype html>
<html lang="en">

<head>
    <title>Insert instructor | Online Course Portal</title>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
    <meta name="viewport" content="width=device-width, initial-scale
        =1.0, maximum-scale=1.0, user-scalable=0">
    <!-- VENDOR CSS -->
    <link rel="stylesheet" href="assets/vendor/bootstrap/css/
        bootstrap.min.css">
    <link rel="stylesheet" href="assets/vendor/font-awesome/css/font-
        awesome.min.css">

```

```
<link rel="stylesheet" href="assets/vendor/linearicons/style.css"
">
<!-- MAIN CSS -->
<link rel="stylesheet" href="assets/css/main.css">
<!-- FOR DEMO PURPOSES ONLY. You should remove this in your
project -->
<link rel="stylesheet" href="assets/css/demo.css">
<!-- GOOGLE FONTS -->
<link href="https://fonts.googleapis.com/css?family=Source+Sans+
Pro:300,400,600,700" rel="stylesheet">
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple
-icon.png">
<link rel="icon" type="image/png" sizes="96x96" href="assets/img/
favicon.png">
</head>

<body>
<!-- WRAPPER -->
<div id="wrapper">
  <!-- NAVBAR -->
  <nav class="navbar navbar-default navbar-fixed-top">
    <div class="brand">
      <a href="Login.jsp"></a>
    </div>
    <div class="container-fluid">
      <div class="navbar-btn">
        <button type="button" class="btn-toggle-
fullwidth"><i class="lnr lnr-arrow-
left-circle"></i></button>
      </div>
    </div>
  </nav>
  <!-- END NAVBAR -->
  <!-- LEFT SIDEBAR -->

<div id="sidebar-nav" class="sidebar">
  <div class="sidebar-scroll">
    <nav>
```



```

        <ul class="nav">
            <li><a href="StudentRegs.jsp" class
                =" "><i class="lnr lnr-user"></i
            > <span>Student Registration</
            span></a></li>

            <li><a href="instructorRegs.jsp"
                class="active"><i class="lnr
                lnr-user"></i> <span>Instructor
                Registration</span></a></li>

        </ul>
    </nav>
</div>
</div>

<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">
    <!-- MAIN CONTENT -->
    <div class="main-content">
        <div class="container-fluid">

            <h3 class="page-title">Instructor
                Registration</h3>

            <div class="row">

                <div class="col-md-6">

                    <!-- INPUTS -->
                    <div class="panel">
                        <div class="panel-
                            heading">
                            <h3 class="panel-
                                title">Inputs
                                </h3>
                        </div>

```

```
<div class="panel-body"
">
    <form action="
        instructorregaction
        .jsp" method
        ="post">
    <input type="text"
        " class="form
        -control"
        placeholder="
        Name" name="
        i_name"
        pattern="[A-Z
        a-z]{1,32}"
        required>
    <br>
    <label class="
        fancy-radio">
        <input name
            ="
            gender"
            value
            ="Male"
            type="
            radio"
            checked
            >
            <span><i></
            i>Male
            </span>
    </label>
    <label class="
        fancy-radio">
        <input name
            ="
            gender"
            value
            ="
            Female"
            type="
            radio"
```

```
>
    <span><i></i>
    i>
    Female
    </span>
</label>
<br>
<input type="text"
    " class="form
    -control"
    placeholder="
    Mobile number
    " pattern
    ="[7-9]{1}[0-9]{9}"
    title="Enter
    valid Number
    "name="i_mob
    " required>
<br>
<input type="
    email" class
    ="form-
    control"
    placeholder="
    Email" name="
    i_email"
    required>
<br>
<input type="text"
    " class="form
    -control"
    placeholder="
    Currently
    Working
    Institution"
    name="
    workinginstitution
    " required>
<br>
<input type="text"
    " class="form
```



```
        -control"
        placeholder="
        work address"
        name="
        workaddress"
        required>
    <br>
    <input type="
        password"
        class="form-
        control"
        placeholder="
        password"
        name="
        i_password"
        required>
    <br>
    <input type="
        submit" value
        ="Register"
        class="btn
        btn-primary">
    <br>
    <%
    if(request.getParameter("a
    ")!=null)
    {
        %> <jsp:include page
        ="emailAlert.jsp
        "></jsp:include>
        <%
    }

    %>
    </div>
</div>
<!-- END INPUTS -->

</div>
```

```

        </div>
    </div>
    <!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
    <div class="container-fluid">
        <p class="copyright">&copy; 2017 <a href="https
            ://www.themeinneed.com" target="_blank">
            Theme I Need</a>. All Rights Reserved.</p>
    </div>
</footer>
</div>
<!-- END WRAPPER -->
<!-- Javascript -->
<script src="assets/vendor/jquery/jquery.min.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.min.js"></
    script>
<script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.
    min.js"></script>
<script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

```

InstructorRegistrationAction.jsp

```

<%--
    Document : instructorregaction
    Created on : Mar 7, 2019, 3:05:21 PM
    Author : test
--%>

<%@page import="DAL.DBConnect"%>
<%@page import="java.sql.ResultSet"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF
            -8">
        <title>Instructor registration process</title>
    </head>

```



```
<%
String i_name=request.getParameter("i_name");
String gender=request.getParameter("gender");
String i_mob=request.getParameter("i_mob");
String i_email=request.getParameter("i_email");
String i_password=request.getParameter("i_password");
// String i_password_check=request.getParameter("i_password_check
    ");

if((String)session.getAttribute("type")!=null){
String status="Pending";
//out.print("name"+i_name+"email"+i_email+"password"+i_password);
ResultSet rs=DBConnect.SelectData("select * from instructor where
    i_email='"+i_email+"'");
if(rs.next())
{
    %> <jsp:include page="instructorRegs.jsp?a=emailExists"></
        jsp:include><%
    }
else{

        DAL.DBConnect.ExecuteQuery("insert into instructor (i_name,
            gender,i_mob,i_email,i_password,status) values ('"+i_name
            + "','"+gender+"','"+i_mob+"','"+i_email+"','"+i_password
            + "','"+status+"')");
        session.setAttribute("msg","sucess");
        response.sendRedirect("instructortables.jsp");
    }
}

else{
String status="Pending";
//out.print("name"+i_name+"email"+i_email+"password"+i_password);
ResultSet rs=DBConnect.SelectData("select * from instructor where
    i_email='"+i_email+"'");
if(rs.next())
{
    %> <jsp:include page="instructorRegs.jsp?a=emailExists"></
        jsp:include><%
    }
}
```



```
else{

    DAL.DBConnect.ExecuteQuery("insert into instructor (i_name,
        gender,i_mob,i_email,i_password,status) values ('"+i_name
        +"',' "+gender+"',' "+i_mob+"',' "+i_email+"',' "+i_password
        +"',' "+status+"')");
    session.setAttribute("msg","sucess");
    response.sendRedirect("Login.jsp");

}

}

/*try{

    if(type.equals("admin"))
    {
        // out.print(type+"2");
        session.setAttribute("msg","sucess");
        response.sendRedirect("
            instructortables.jsp");
    }
    else
    {
        //session.setAttribute("msg","sucess
            ");
        // out.print(type+"3");
        response.sendRedirect("Login.jsp");
    }

}

catch(Exception e){
    out.print(type+"4");
out.print(e);
}*/

%>
</head>
<body>
    <h1>ADD course</h1>
```



```
</body>
</html>
```

LogOut.jsp

```
<%--
    Document : Logout
    Created on : Mar 29, 2019, 12:09:23 PM
    Author : test
--%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>

        <% session.invalidate();
        response.sendRedirect("Login.jsp");
        %> <!-- HERE WE ARE INVALIDATE THE SESSION, SO THAT NO VALUES WILL BE
        PRESENT IN SESSION -->

        <script>
history.pushState(null,document.title, location.href);
window.addEventListener('popstate',function(event))
{
    history.pushState(null,document.title,location.href);

});
        </script>
    </head>
    <body>
        <h1>Hello World!</h1>
    </body>
</html>
```

CreateTest.jsp

```
<%--
    Document : i_createQuestionpaper
    Created on : May 20, 2019, 10:56:26 AM
```




```
Author : test
--%>

<%@page import="DAL.DBConnect"%>
<%@page import="java.sql.ResultSet"%>
<!doctype html>
<html lang="en">

<head>
    <title>Insert Course | Online Course Portal</title>
    <%
        //HERE WE GETTING THE ATTRIBUTE DECLARED IN VALIDATE.JSP
        AND CHECKING IF IT IS NULL, THE USER WILL BE REDIRECTED
        TO LOGIN PAGE
        String uid = (String)session.getAttribute("user
            ");
        if (uid == null)
        {
            %><!-- NOT A VALID USER, IF THE USER TRIES TO EXECUTE
            LOGGED IN PAGE DIRECTLY, ACCESS IS RESTRICTED -->
            <jsp:forward page="Login.jsp"/>
            <%
                }

            %>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
        <meta name="viewport" content="width=device-width, initial-scale
            =1.0, maximum-scale=1.0, user-scalable=0">
        <!-- VENDOR CSS -->
        <link rel="stylesheet" href="assets/vendor/bootstrap/css/
            bootstrap.min.css">
        <link rel="stylesheet" href="assets/vendor/font-awesome/css/font-
            awesome.min.css">
        <link rel="stylesheet" href="assets/vendor/linearicons/style.css
            ">
        <!-- MAIN CSS -->
        <link rel="stylesheet" href="assets/css/main.css">
        <!-- FOR DEMO PURPOSES ONLY. You should remove this in your
            project -->
```



```

<link rel="stylesheet" href="assets/css/demo.css">
<!-- GOOGLE FONTS -->
<link href="https://fonts.googleapis.com/css?family=Source+Sans+
    Pro:300,400,600,700" rel="stylesheet">
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple
    -icon.png">
<link rel="icon" type="image/png" sizes="96x96" href="assets/img/
    favicon.png">
</head>

<body>
<!-- WRAPPER -->
<div id="wrapper">
    <!-- NAVBAR -->
    <nav class="navbar navbar-default navbar-fixed-top">
        <div class="brand">
            <a href="home.jsp"></a>
        </div>
        <div class="container-fluid">
            <div class="navbar-btn">
                <button type="button" class="btn-toggle-
                    fullwidth"><i class="lnr lnr-arrow-
                    left-circle"></i></button>
            </div>
            <form class="navbar-form navbar-left">

            </form>
            <!--<div class="navbar-btn navbar-btn-right">
                <a class="btn btn-success update-pro"
                    href="https://www.themeined.com/
                    downloads/klorofil-pro-bootstrap-
                    admin-dashboard-template/?utm_source=
                    klorofil&utm_medium=template&
                    utm_campaign=KlorofilPro" title="
                    Upgrade to Pro" target="_blank"><i
                    class="fa fa-rocket"></i> <span>
                    UPGRADE TO PRO</span></a>
            </div>-->

```

```

<div id="navbar-menu">
  <ul class="nav navbar-nav navbar-right">

    <li class="dropdown">
      <a href="#" class="dropdown-
toggle" data-toggle="
dropdown"> <span><%out.
print (uid);%></span> <i
class="icon-submenu lnr
lnr-chevron-down"></i></a
>
      <ul class="dropdown-menu">
        <li><a href="#"><i
          class="lnr lnr-user
"></i> <span>My
Profile</span></a
></li>
        <li><a href="#"><i
          class="lnr lnr-
envelope"></i> <
span>Message</span
></a></li>
        <li><a href="#"><i
          class="lnr lnr-cog
"></i> <span>
Settings</span></a
></li>
        <li><a href="Logout.jsp
"><i class="lnr lnr
-exit"></i> <span>
Logout</span></a></
li>
      </ul>
    </li>
    <!-- <li>
      <a class="update-pro" href="
https://www.themeinneed.
com/downloads/klorofil-

```

```

        pro-bootstrap-admin-
        dashboard-template/?
        utm_source=klorofil&
        utm_medium=template&
        utm_campaign=KlorofilPro"
        title="Upgrade to Pro"
        target="_blank"><i class
        ="fa fa-rocket"></i> <
        span>UPGRADE TO PRO</span
        ></a>

    </li> -->
</ul>
</div>
</div>
</nav>
<!-- END NAVBAR -->
<!-- LEFT SIDEBAR -->
<div id="sidebar-nav" class="sidebar">
    <div class="sidebar-scroll"><%String i_id = (String)
        session.getAttribute("i_id");
        ResultSet rss=DBConnect.SelectData("select * from
            instructor where i_id="+i_id);
        rss.next();
        String status = rss.getString("status");
        %>

        <nav>
            <ul class="nav">
                <li><a href="i_home.jsp" class=""><
                    i class="lnr lnr-home"></i> <
                    span>Dashboard</span></a></li>
                <li><a href="i_profile.jsp" class
                    =""><i class="lnr lnr-user"></i>
                    >View Profile</a></li>
                <%if(status.equals("Approved")){%><
                    li><a href="i_approveStudents.
                    jsp" class=""><i class="lnr lnr
                    -alarm"></i>Approve
                    Registration</a></li>

                <li><a href="i_addCourse.jsp" class
                    ="active"><i class="lnr lnr-

```

```

        file-add"></i>Add Course</a></
        li>
        <li><a href="i_viewcourses.jsp"
            class=""><i class="lnr lnr-
            enter"></i>View added Courses</
            a></li>
        <li><a href="i_viewStudents.jsp"
            class=""><i class="lnr lnr-
            users"></i>View Students</a></
            li>
        <!-- <li><a href="i_answer.jsp"
            class=""><i class="lnr lnr-bubble
            "></i>Answer Students</a></li>-->
        <li><a href="i_viewintracts.jsp"
            class=""><i class="lnr lnr-
            bubble"></i>Interacts</a></li>
        <% } %>
    </ul>
</nav>
</div>
</div>
<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">
    <!-- MAIN CONTENT -->
    <div class="main-content">
        <div class="container-fluid">
            <h3 class="page-title">Add Course
            </h3>
            <div class="row">
                <div class="col-md-12">

                    <!-- INPUTS -->
                    <div class="panel">
                        <div class="panel-
                        heading">
                            <h3 class="panel-
                            title">Inputs
                            </h3>
                        </div>
                        <div class="panel-body

```

```

">
    <form action="
        i_prepareTest
        .jsp" method
        ="post">

    <br>

    <div class="input-group">

        <select
            name="
            c_id"
            class="
            form-
            control
            "><%
            ResultSet
            rs8=
            DBConnect
            .
            SelectData
            ( "
            SELECT
            * FROM
            `course
            ` WHERE
            i_id
            =" + i_id
            );
            while(rs8.next
            ()) { %>
                <option value="<%out.print(rs8.getString("c_id"))
                ; %>"><%out.print(rs8.getString("c_name")) ; %></
                option>
            <% } %>
        </select>

    </div>

    <br>

    <br>
    <input type="

```



```

        submit" value
        ="Submit"
        class="btn
        btn-primary">
    </form>

    </div>
</div>
<!-- END INPUTS -->

</div>

</div>
</div>
</div>
<!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
    <div class="container-fluid">
        <p class="copyright">&copy; 2017 <a href="https
        ://www.themeined.com" target="_blank">
        Theme I Need</a>. All Rights Reserved.</p>
    </div>
</footer>
</div>
<!-- END WRAPPER -->
<!-- Javascript -->
<script src="assets/vendor/jquery/jquery.min.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.min.js"></
    script>
<script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.
    min.js"></script>
<script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

test.jsp

<%--
    Document : s_Opt_course

```



```
Created on : Apr 8, 2019, 4:29:05 PM
Author : test
--%>

<%@page import="DAL.DBConnect"%>
<%@page import="java.sql.ResultSet"%>
<!doctype html>
<html lang="en">

<head>
    <title>Update student data table | Online Course Portal</title>
    <%
        //HERE WE GETTING THE ATTRIBUTE DECLARED IN VALIDATE.JSP
        AND CHECKING IF IT IS NULL, THE USER WILL BE REDIRECTED
        TO LOGIN PAGE
        String uid = (String)session.getAttribute("user
            ");
        String s_id = (String)session.getAttribute("
            s_id");
        if (uid == null)
        {
            %><!-- NOT A VALID USER, IF THE USER TRIES TO EXECUTE
            LOGGED IN PAGE DIRECTLY, ACCESS IS RESTRICTED -->
            <jsp:forward page="Login.jsp"/>
        }

        %>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
    <meta name="viewport" content="width=device-width, initial-scale
        =1.0, maximum-scale=1.0, user-scalable=0">
    <!-- VENDOR CSS -->
    <link rel="stylesheet" href="assets/vendor/bootstrap/css/
        bootstrap.min.css">
    <link rel="stylesheet" href="assets/vendor/font-awesome/css/font-
        awesome.min.css">
    <link rel="stylesheet" href="assets/vendor/linearicons/style.css
        ">
    <!-- MAIN CSS -->
    <link rel="stylesheet" href="assets/css/main.css">
```




```

    <!-- FOR DEMO PURPOSES ONLY. You should remove this in your
    project -->
    <link rel="stylesheet" href="assets/css/demo.css">
    <!-- GOOGLE FONTS -->
    <link href="https://fonts.googleapis.com/css?family=Source+Sans+
    Pro:300,400,600,700" rel="stylesheet">
    <!-- ICONS -->
    <link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple
    -icon.png">
    <link rel="icon" type="image/png" sizes="96x96" href="assets/img/
    favicon.png">
</head>

<body>
    <!-- WRAPPER -->
    <div id="wrapper">
        <!-- NAVBAR -->
        <nav class="navbar navbar-default navbar-fixed-top">
            <div class="brand">
                <a href="s_home.jsp"></a>
            </div>
            <div class="container-fluid">
                <div class="navbar-btn">
                    <button type="button" class="btn-toggle-
                    fullwidth"><i class="lnr lnr-arrow-
                    left-circle"></i></button>
                </div>
                <form class="navbar-form navbar-left">
                    <div class="input-group">
                        <input type="text" value="" class="
                        form-control" placeholder="
                        Search dashboard...">
                        <span class="input-group-btn"><
                        button type="button" class="btn
                        btn-primary">Go</button></span
                        >
                    </div>
                </form>
            </div>
        </nav>
    </div>

```

```

<div id="navbar-menu">
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-
toggle icon-menu" data-
toggle="dropdown">
        <i class="lnr lnr-alarm
"></i>
        <span class="badge bg-
danger">5</span>
      </a>
      <ul class="dropdown-menu
notifications">
        <li><a href="#" class="
notification-item
"><span class="dot
bg-warning"></span>
System space is
almost full</a></li>
        <li><a href="#" class="
notification-item
"><span class="dot
bg-danger"></span>
You have 9
unfinished tasks</a></li>
        <li><a href="#" class="
notification-item
"><span class="dot
bg-success"></span>
Monthly report is
available</a></li>
        <li><a href="#" class="
notification-item
"><span class="dot
bg-warning"></span>
Weekly meeting in 1
hour</a></li>
        <li><a href="#" class="
notification-item

```



```

        "><span class="dot
        bg-success"></span>
        Your request has
        been approved</a></
        li>
        <li><a href="#" class="
        more">See all
        notifications</a></
        li>
    </ul>
</li>
<li class="dropdown">
    <a href="#" class="dropdown-
    toggle" data-toggle="
    dropdown"><i class="lnr
    lnr-question-circle"></i>
    <span>Help</span> <i
    class="icon-submenu lnr
    lnr-chevron-down"></i></a
    >
    <ul class="dropdown-menu">
        <li><a href="#">Basic
        Use</a></li>
        <li><a href="#">Working
        With Data</a></li>
        <li><a href="#">
        Security</a></li>
        <li><a href="#">
        Troubleshooting</a
        ></li>
    </ul>
</li>
<li class="dropdown">
    <a href="#" class="dropdown-
    toggle" data-toggle="
    dropdown"> <span><%out.
    print (uid);%></span> <i
    class="icon-submenu lnr

```

```

        lnr-chevron-down"></i></a
    >
    <ul class="dropdown-menu">
        <li><a href="#"><i
            class="lnr lnr-user
            "></i> <span>My
            Profile</span></a
            ></li>
        <li><a href="#"><i
            class="lnr lnr-
            envelope"></i> <
            span>Message</span
            ></a></li>
        <li><a href="#"><i
            class="lnr lnr-cog
            "></i> <span>
            Settings</span></a
            ></li>
        <li><a href="Logout.jsp
            "><i class="lnr lnr
            -exit"></i> <span>
            Logout</span></a></
            li>
    </ul>
</li>

</ul>
</div>
</div>
</nav>
<!-- END NAVBAR -->
<!-- LEFT SIDEBAR -->
<div id="sidebar-nav" class="sidebar">
    <div class="sidebar-scroll">
        <nav>
            <ul class="nav">
                <li><a href="s_home.jsp" class=""><
                    i class="lnr lnr-home"></i> <
                    span>Dashboard</span></a></li>
                <li><a href="s_profile.jsp" class
                    =" "><i class="lnr lnr-user"></i>

```

```

        >View Profile</a></li>
    <li><a href="s_Opt_course.jsp"
        class="active"><i class="fa fa-
        search"></i>Opt Course</a></li>
    <li><a href="s_opted_courses.jsp"
        class=""><i class="fa fa-line-
        chart"></i>Opted Course</a></li>
    </ul>
</nav>
</div>
</div>
<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">
    <!-- MAIN CONTENT -->
    <div class="main-content">
        <div class="container-fluid">
            <h3 class="page-title">TEST BEGINS</h3>

            <div class="row">
                <div class="col-md-12">
                    <!-- BUTTONS -->

                    <!-- END BUTTONS -->
                    <!-- INPUTS -->
                    <div class="panel">
                        <div class="panel-
                        heading">
                            <h3 class="panel-
                            title"></h3>
                        </div>
                        <div class="panel-body
                        ">
                            <form action="
                            appeartestAction.

```

```
jsp" method="POST
">
<%
String c_id=request
    .getParameter("
        c_id");
ResultSet rs=
    DBConnect.
        SelectData("
            SELECT * FROM `
            course` WHERE
            c_id="+c_id);
rs.next();
%>
<input type="text"
    class="form-
    control" value
    ="<%out.print(rs
        .getString("
            c_name"));%>">
<br>
<%ResultSet rs2=
    DBConnect.
        SelectData("
            SELECT * FROM `
            test` WHERE c_id
            =" +c_id);
int i=1;
while(rs2.next()
    ){%>
    <br><input
        type="text"
        class="
        form-
        control"
        name="<%out
            .print(rs2.
                getString("
                    test_id"))
            ;%>" value
            ="<%out.
```



```
print(rs2.
getString("
q_no")+".
");%><%out.
print(rs2.
getString("
Question"))
;%>">
<br> <input type
="radio" name
="<%out.print
(i);%>" value
="1"><%out.
print(rs2.
getString("oa
"));;%>
<input type="
radio" name
="<%out.
print(i)
;%>" value
="2"><%out.
print(rs2.
getString("
ob"));;%>
<input type="
radio" name
="<%out.
print(i)
;%>" value
="3"><%out.
print(rs2.
getString("
oc"));;%>
<input type="
radio" name
="<%out.
print(i)
;%>" value
="4"><%out.
print(rs2.
```



```

                                getString("
                                od")) ; %><br>
                                >
                                <%      i++; }
                                %>
                                <input type="
                                hidden"
                                name="noQ"
                                value="<%
                                out.print(
                                i-1); %>">
                                <input type="
                                hidden"
                                name="c_id
                                " value
                                ="<%out.
                                print(c_id
                                ); %>">
                                <br><input
                                type="
                                Submit"
                                class="btn
                                btn-
                                primary">

                                </form>
                                </div>
                                </div>
                                <!-- END INPUTS -->
                                <!-- INPUT SIZING -->

                                <!-- END INPUT SIZING -->
                                </div>
                                <div class="col-md-6">
                                <!-- LABELS -->

                                <!-- END LABELS -->
                                <!-- PROGRESS BARS -->

                                <!-- END PROGRESS BARS -->
                                <!-- INPUT GROUPS -->

```




```

        <!-- END INPUT GROUPS -->
        <!-- ALERT MESSAGES -->

        <!-- END ALERT MESSAGES -->
    </div>
</div>
</div>
</div>
<!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
    <div class="container-fluid">
        <p class="copyright">&copy; 2017 <a href="https
            ://www.themeinneed.com" target="_blank">
            Theme I Need</a>. All Rights Reserved.</p>
    </div>
</footer>
</div>
<!-- END WRAPPER -->
<!-- Javascript -->
<script src="assets/vendor/jquery/jquery.min.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.min.js"></
    script>
<script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.
    min.js"></script>
<script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

```

testAction

```

<%--
    Document : appeartestAction
    Created on : May 21, 2019, 11:05:15 AM
    Author : test
--%>
<%@page import="DAL.DBConnect"%>
<%@page import="java.sql.ResultSet"%>
<%

```



```

String snoQ=request.getParameter("noQ");
String s_id=(String)session.getAttribute("s_id");
int noQ=Integer.parseInt(snoQ);
int i=1;
int count=0;
String c_id=request.getParameter("c_id");
ResultSet rs=DBConnect.SelectData("select * from test where c_id="+c_id
    );
while(noQ!=i){
    String res=request.getParameter(String.valueOf(i));

    while(rs.next()){
        if(rs.getString("answer").equals(res)){
            count++;
        }
    }
    i++;
}
//DAL.DBConnect.ExecuteQuery("INSERT INTO `testresults`( `s_id`, `c_id`
    `, `score`) VALUES ('"+s_id+"','"+c_id+"','"+count+"')");
out.print("INSERT INTO `testresults`( `s_id`, `c_id`, `score`) VALUES
    ('"+s_id+"','"+c_id+"','"+count+"')");

%>

```

OptCourse.jsp

```

<%--
    Document      : s_Opt_course
    Created on    : Apr 8, 2019, 4:29:05 PM
    Author       : test
--%>

<%@page import="java.sql.ResultSet"%>
<!doctype html>
<html lang="en">

<head>
<title>Update student data table | Online Course Portal</title>

```



```
<%
//HERE WE GETTING THE ATTRIBUTE DECLARED IN VALIDATE.JSP AND CHECKING IF IT IS
String uid = (String)session.getAttribute("user");
String s_id = (String)session.getAttribute("s_id");

if (uid == null)
{
%><!-- NOT A VALID USER, IF THE USER TRIES TO EXECUTE LOGGED IN PAGE DIRECTLY
<jsp:forward page="Login.jsp"/>
<%
}

%>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0">
<!-- VENDOR CSS -->
<link rel="stylesheet" href="assets/vendor/bootstrap/css/bootstrap.min.css">
<link rel="stylesheet" href="assets/vendor/font-awesome/css/font-awesome.min.css">
<link rel="stylesheet" href="assets/vendor/linearicons/style.css">
<!-- MAIN CSS -->
<link rel="stylesheet" href="assets/css/main.css">
<!-- FOR DEMO PURPOSES ONLY. You should remove this in your project -->
<link rel="stylesheet" href="assets/css/demo.css">
<!-- GOOGLE FONTS -->
<link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,600,700" rel="stylesheet">
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple-icon.png">
<link rel="icon" type="image/png" sizes="96x96" href="assets/img/favicon.png">
</head>

<body>
<!-- WRAPPER -->
<div id="wrapper">
<!-- NAVBAR -->
<nav class="navbar navbar-default navbar-fixed-top">
<div class="brand">
```

```

<a href="s_home.jsp">
<div class="container-fluid">
<div class="navbar-btn">
<button type="button" class="btn-toggle-fullwidth"><i class="lnr lnr-arrow-le
</div>
<form class="navbar-form navbar-left">
<div class="input-group">
<input type="text" value="" class="form-control" placeholder="Search dashboard
<span class="input-group-btn"><button type="button" class="btn btn-primary">G
</div>
</form>

<div id="navbar-menu">
<ul class="nav navbar-nav navbar-right">
<li class="dropdown">
<a href="#" class="dropdown-toggle icon-menu" data-toggle="dropdown">
<i class="lnr lnr-alarm"></i>
<span class="badge bg-danger">5</span>
</a>
<ul class="dropdown-menu notifications">
<li><a href="#" class="notification-item"><span class="dot bg-warning"></span>
<li><a href="#" class="notification-item"><span class="dot bg-danger"></span>
<li><a href="#" class="notification-item"><span class="dot bg-success"></span>
<li><a href="#" class="notification-item"><span class="dot bg-warning"></span>
<li><a href="#" class="notification-item"><span class="dot bg-success"></span>
<li><a href="#" class="more">See all notifications</a></li>
</ul>
</li>
<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown"><i class="lnr lnr-
<ul class="dropdown-menu">
<li><a href="#">Basic Use</a></li>
<li><a href="#">Working With Data</a></li>
<li><a href="#">Security</a></li>
<li><a href="#">Troubleshooting</a></li>

```

```

</ul>
</li>
<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">
<li><a href="#"><i class="lnr lnr-user"></i> <span>My Profile</span></a></li>
<li><a href="#"><i class="lnr lnr-envelope"></i> <span>Message</span></a></li>
<li><a href="#"><i class="lnr lnr-cog"></i> <span>Settings</span></a></li>
<li><a href="Logout.jsp"><i class="lnr lnr-exit"></i> <span>Logout</span></a>
</ul>
</li>

</ul>
</div>
</div>
</nav>
<!-- END NAVBAR -->
<!-- LEFT SIDEBAR -->
<div id="sidebar-nav" class="sidebar">
<div class="sidebar-scroll">
<nav>
<ul class="nav">
<li><a href="s_home.jsp" class=""><i class="lnr lnr-home"></i> <span>Dashboard
<li><a href="s_profile.jsp"
<li><a href="s_Opt_course.js
<li><a href="s_opted_courses.
<li><a href="i_viewintracts.f

</ul>
</nav>
</div>
</div>
<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">

```

```

<!-- MAIN CONTENT -->
<div class="main-content">
<div class="container-fluid">
<h3 class="page-title">Apply for Course</h3>
        <%
            try
            {
                String msg1 = (String)session.get
                if(msg1.equals("failed"))
                {
                    <%@ include file = "warningalert
                <% }
            }
        catch(Exception e){

        }

        <%>

<div class="row">
<div class="col-md-12">
<!-- BUTTONS -->

<!-- END BUTTONS -->
<!-- INPUTS -->
<div class="panel">
<div class="panel-heading">
<h3 class="panel-title"></h3>
</div>
<div class="panel-body">
<form action="
<!--
<table border="1">
<thead>
<tr>

```

```
<th>sl no.</th>
```

```
<th>course name</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<%
```

```
</tbody>
```

```
</table>
```

```
</div>
```

```
</div>
```

```
<!-- END INPUTS -->
```

```
</form>
```



```

</div>

</div>
</div>
</div>
<!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
<div class="container-fluid">
<p class="copyright">&copy; 2017 <a href="https://www.themeineed.com" target=
</div>
</footer>
</div>
<!-- END WRAPPER -->
<!-- Javascript -->
<script src="assets/vendor/jquery/jquery.min.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.min.js"></script>
<script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.min.js"></scri
<script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

```

OptCourseAction.jsp

```

<%--
    Document : course_optingAction
    Created on : Mar 11, 2019, 2:24:47 PM
    Author : test
--%>

<%@page import="java.sql.ResultSet"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>

```




```

<head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF
        -8">
    <title>course opting</title>
</head>
<body>
    <h1></h1>
    <%
// String c_id=request.getParameter("c_id");
String s_id=request.getParameter("s_id");
String c_id=request.getParameter("c_id");
String status="Pending";
ResultSet rs = DAL.DBConnect.SelectData("SELECT * FROM `
    course_opted` INNER JOIN course on course_opted.c_id=course.
    c_id where course.c_id="+c_id+" and course_opted.s_id="+s_id)
    ;
if(!rs.next())
{
DAL.DBConnect.ExecuteQuery("INSERT INTO `course_opted`(`s_id`, `
    c_id`, `status`) VALUES ('"+s_id+"', '"+c_id+"', '"+status+"'
    ");
response.sendRedirect("s_opted_courses.jsp");
session.setAttribute("msg1", "sucess" );
}
else
{
out.print("already opted this course");
response.sendRedirect("s_Opt_course.jsp");
session.setAttribute("msg1", "failed" );
}

    %>
</body>
</html>

```

mycourses.jsp

```

<%--
Document : mycourses
Created on : Apr 13, 2019, 9:13:26 PM
Author : test
--%>

```



```

<%@page import="java.sql.ResultSet"%>

<div class="panel">
    <div class="panel-heading">
        <h3 class="panel-title">Courses</h3>
    </div>
<div class="panel-body">
    <table class="table table-striped">
        <thead>
            <tr>
                <th>sl no.</th>
                <th>course name</th>
                <th>Students</th>
            </tr>
        </thead>
        <tbody>
            <%ResultSet rs=DAL.DBConnect.SelectData("SELECT * FROM `course`
                where i_id="+i_id);

                                                                    //
                                                                    ResultSet
                                                                    rs1=
                                                                    DAL.
                                                                    DBConnect
                                                                    .
                                                                    SelectData
                                                                    (
                                                                    "
                                                                    SELECT
                                                                    * FROM
                                                                    course
                                                                    INNER
                                                                    JOIN
                                                                    instructor
                                                                    on
                                                                    course.
                                                                    i_id=
                                                                    instructor
                                                                    .i_id")
                                                                    ;

            int i=1;
            while(rs.next()) {
                ResultSet rs1=DAL.DBConnect.SelectData("select count(s_id

```

```

        ) from course_opted where c_id="+rs.getString("c_id"))
        ;
        rs1.next();
    %>
<tr>
    <td><%out.print(i);i++;%></td>
    <td><%out.print(rs.getString("c_name"));%></td>
    <td><%out.print(rs1.getString("count(s_id)"));%></td>
</tr>
    <% } %>
</tbody>
</table>
</div>
</div>

```

StudentProfile.jsp

```

<%--
    Document      : s_profile
    Created on    : Apr 8, 2019, 3:03:40 PM
    Author       : test
--%>
<%@page import="java.sql.ResultSet"%>
<!doctype html>
<html lang="en">

<head>
<title>Student Tables | Online Course Portal</title>
    <%
//HERE WE GETTING THE ATTRIBUTE DECLARED IN VALIDATE.JSP AND CHECKING IF IT IS NULL OR NOT
String uid = (String)session.getAttribute("user");
        String s_id = (String)session.getAttribute("s_id");
    if (uid == null)
    {
    %><!-- NOT A VALID USER, IF THE USER TRIES TO EXECUTE LOGGED IN PAGE DIRECTLY
        <jsp:forward page="Login.jsp"/>
    <%
    }

```

```

%>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum
<!-- VENDOR CSS -->
<link rel="stylesheet" href="assets/vendor/bootstrap/css/bootstrap.min.css">
<link rel="stylesheet" href="assets/vendor/font-awesome/css/font-awesome.min.
<link rel="stylesheet" href="assets/vendor/linearicons/style.css">
<!-- MAIN CSS -->
<link rel="stylesheet" href="assets/css/main.css">
<!-- FOR DEMO PURPOSES ONLY. You should remove this in your project -->
<link rel="stylesheet" href="assets/css/demo.css">
<!-- GOOGLE FONTS -->
<link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,6
<!-- ICONS -->
<link rel="apple-touch-icon" sizes="76x76" href="assets/img/apple-icon.png">
<link rel="icon" type="image/png" sizes="96x96" href="assets/img/favicon.png"
</head>

<body>
<!-- WRAPPER -->
<div id="wrapper">
<!-- NAVBAR -->
<nav class="navbar navbar-default navbar-fixed-top">
<div class="brand">
<a href="s_home.jsp">
<div class="container-fluid">
<div class="navbar-btn">
<button type="button" class="btn-toggle-fullwidth"><i class="lnr lnr-arrow-le
</div>
<form class="navbar-form navbar-left">
<div class="input-group">
<input type="text" value="" class="form-control" placeholder="Search dashboard
<span class="input-group-btn"><button type="button" class="btn btn-primary">G
</div>

```

```

</form>

<div id="navbar-menu">
<ul class="nav navbar-nav navbar-right">

<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">
<li><a href="s_profile.jsp"><i class="lnr lnr-user"></i> <span>My Profile</span>
<li><a href="Logout.jsp"><i class="lnr lnr-exit"></i> <span>Logout</span></a>
</ul>
</li>

</ul>
</div>
</div>
</nav>
<!-- END NAVBAR -->
<!-- LEFT SIDEBAR -->
<div id="sidebar-nav" class="sidebar">
<div class="sidebar-scroll">
<nav>
<ul class="nav">
<li><a href="s_home.jsp" class=""><i class="lnr lnr-home"></i> <span>Dashboar
        <li><a href="s_profile.jsp"
        <li><a href="s_Opt_course.js
<li><a href="s_opted_courses.
<li><a href="i_viewintracts.j

</ul>
</nav>
</div>
</div>

```



```

<!-- END LEFT SIDEBAR -->
<!-- MAIN -->
<div class="main">
<!-- MAIN CONTENT -->
<div class="main-content">
<div class="container-fluid">
<div class="panel panel-profile">
<div class="">

                                <%
                                try
                                {
                                    String msg = (String)session.get
                                if(msg.equals("sucess"))
                                {
                                %>    <%@ include file = "sucessalert.
                                <% }

                                }
                                catch(Exception e){

                                }

                                %>

<!-- LEFT COLUMN -->
<div class="profile-left">
<!-- PROFILE HEADER -->
<div class="profile-header">
<div class="overlay"></div>
<div class="profile-main"><% ResultSet rs1 = DAL.DBConnect.SelectData("SELECT


<h3 class="name"><%out.print(rs1.getString("s_name")); %></h3>
<span class="online-status status-available">Available</span>
</div>
<div class="profile-stat">

</div>
</div>

```



```

<!-- END PROFILE HEADER -->
<!-- PROFILE DETAIL -->
<div class="profile-detail">
<div class="profile-info">

<ul class="list-unstyled list-justify">

<li>Gender <span><%out.print(rs1.getString("gender")); %></span></li>

<li>Email <span><%out.print(rs1.getString("s_email")); %></span></li>

</ul>
</div>

<div class="profile-info">
<h4 class="heading">Social</h4>
<ul class="list-inline social-icons">
<li><a href="https://www.facebook.com/onlinecourses.ooo/" class="facebook-bg"
<li><a href="https://twitter.com/crunchadeal?lang=en" class="twitter-bg"><i c

<li><a href="https://github.com/anilchalissery/OnlineCoursePortal" class="git
</ul>
</div>

<div class="profile-info">
<!--<h4 class="heading">About</h4>
<p>Interactively fashion excellent information after distinctive outsourcing.
</div>

</div>
<!-- END PROFILE DETAIL -->
</div>
<!-- END LEFT COLUMN -->
<!-- RIGHT COLUMN -->
<div class="profile-right">

```

```

<h4 class="heading">Opted Courses</h4>

<%@ include f

</div>
<!-- END RIGHT COLUMN -->
</div>
</div>
</div>
<!-- END MAIN CONTENT -->
</div>
<!-- END MAIN -->
<div class="clearfix"></div>
<footer>
<div class="container-fluid">
<p class="copyright">&copy; 2017 <a href="https://www.themeined.com" target=
</div>
</footer>
</div>
<!-- END WRAPPER -->
<!-- Javascript -->
<script src="assets/vendor/jquery/jquery.min.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.min.js"></script>
<script src="assets/vendor/jquery-slimscroll/jquery.slimscroll.min.js"></scri
<script src="assets/scripts/klorofil-common.js"></script>
</body>

</html>

```

DBConnect.java

```

/*
 * To change this license header, choose License Headers in Project
 * Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

```




```
package DAL;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

/**
 *
 * @author Melvin
 */
public class DBConnect {
    static Connection con;
    public static int c_id=0;

    public static Connection Connect()
    {

        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            con = DriverManager.getConnection("jdbc:mysql://
                localhost:3306/ocp","root","");
            System.out.println("connected ");
        }
        catch(Exception e)
        {
            System.out.println("class error");
        }

        return con;
    }

    public static void ExecuteQuery(String Query){
    try {
```

```
        Connection conn=Connect();
        Statement st=conn.createStatement();

        st.execute(Query);
    } catch (SQLException ex) {

        System.out.println(ex.toString());
        System.out.println(Query);
        System.out.println("Query Error");
    }

}

public static int ExecuteQueryReturn(String Query){
    int PrimeNo =0;
    try {
        Connection conn=Connect();
        Statement st=conn.createStatement();
        PrimeNo = st.executeUpdate(Query, Statement.
            RETURN_GENERATED_KEYS);

    } catch (SQLException ex) {

        System.out.println(ex.toString());
        System.out.println(Query);
        System.out.println("Query Error");
    }
    return PrimeNo;
}

public static ResultSet SelectData(String Query){

    ResultSet rs=null;
    try {
        Connection conn=Connect();
        Statement st=conn.createStatement();

        rs= st.executeQuery(Query);
    } catch (SQLException ex) {
```

```
        System.out.println(ex.toString());
        System.out.println("Query Error");
    }
    return rs;

}

public static String getDate(String Date ){

    String[] str=Date.split("/");
    String convertDate="20"+str[2]+"/"+str[1]+"/"+str[0];

    return convertDate;
}

}
```

FileUpload.java

```
/*
 * To change this license header, choose License Headers in Project
 * Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package com.fileupload;

import DAL.DBConnect;
import java.io.File;
import java.io.IOException;
import java.util.List;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.apache.commons.fileupload.FileItem;
import org.apache.commons.fileupload.FileItemFactory;
import org.apache.commons.fileupload.disk.DiskFileItemFactory;
import org.apache.commons.fileupload.servlet.ServletFileUpload;
```

```
public class UploadFile extends HttpServlet {
    private static final long serialVersionUID = 1L;
    private final String UPLOAD_DIRECTORY = "C:/Files/";

    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException,
        IOException {
        boolean isMultipart = ServletFileUpload.isMultipartContent(
            request);

        // process only if its multipart content
        if (isMultipart) {
            // Create a factory for disk-based file items
            FileItemFactory factory = new DiskFileItemFactory();

            // Create a new file upload handler
            ServletFileUpload upload = new ServletFileUpload(factory);
            try {
                // Parse the request
                List<FileItem> multiparts = upload.parseRequest(request);
                ;

                for (FileItem item : multiparts) {
                    if (!item.isFormField()) {
                        String name = new File(item.getName()).getName();
                        DAL.DBConnect.ExecuteQuery("update course set datafile
                            ='"+name+"' where c_id='"+DBConnect.c_id+"'");
                        item.write(new File(UPLOAD_DIRECTORY + File.separator +
                            DBConnect.c_id + name));
                    }
                }

                // File uploaded successfully
                request.setAttribute("message", "Your file has been
                    uploaded!");
            }
            catch (Exception e)
            {
                request.setAttribute("message", "File Upload Failed due to
                    " + e);
            }
        }
    }
}
```

```
    } else
    {
        request.setAttribute("message", "This Servlet only handles file
            upload request");
    }
    request.getRequestDispatcher("/i_viewcourses.jsp").forward(
        request, response);
}
}
```

5.2 Testing Methods

In system testing the behavior of whole system or product is tested as defined by the scope of the development project or product. It may include tests based on risks and/or requirement specifications, business process, use cases, or other high level descriptions of system behavior, interactions with the operating systems, and system resources. System testing is most often the final test to verify that the system to be delivered meets the specification and its purpose. System testing is carried out by specialist testers or independent testers. System testing should investigate both functional and non-functional requirements of the testing.

5.1.1. Unit Testing

Unit testing is a software testing method by which individual units of source code, sets of one or more computer program modules together with associated control data, usage procedures, and operating procedures, are tested to determine whether they are fit for use. Intuitively, one can view a unit as the smallest testable part of an application. In procedural programming, a unit could be an entire module, but it is more commonly an individual function or procedure. This is one of the main level of testing included in the testing methods. In object-oriented programming, a unit is often an entire interface, such as a class, but could be an individual method. Unit tests are short code fragments created by programmers or occasionally by white box testers during the development process. It forms the basis for component testing. Ideally, each test case is independent from the others. Substitutes such as method stubs, mock objects, fakes, and test harnesses can be used to assist testing a module in isolation. Unit tests are typically written and run by software developers to ensure that code meets its design and behaves as intended. In this system each unit is tested separately before integrating them into modules to test the interfaces between modules.

5.1.2. Integration Testing

When the modules of the system are combined together to form the whole system, there will be the problem of interfacing. Integration testing is a systematic testing technique for constructing

the program structure while conducting tests to uncover errors associated with interfacing. The current system modules are combining using bottom-up integration with incremental method. The modules like message, file and watermark are combined to form either embedding or retrieving. Our system, test the integrated modules. In which we test the related forms together to ensure their relationship.

5.3 Validation

The definition for the validation testing is that the validation succeeds when software functions in a manner that can be reasonably expected by the customer. The expectations are defined in the software requirements specifications. Validation criteria: The number of characters in the password must contain minimum of four characters. The password will be treated as invalid when the number of characters in it is less than four. Our system, test whether the required fields are empty or not. This system ensure that the fields must be filled and also ensure the minimum range of some fields.

After performing the validation testing, the next step is output testing of the proposed system since no system could be useful if it does not produce the required output in the specific format. The output generated or displayed by the system under consideration is tested asking the users about the format required by then. Here, the output is considered into ways: one is on the screen and the other is printed format. The output format on the screen is found to be correct as the format designed according to the user needs. For the hard copy also, the output comes out as specified by the user. Hence output testing doesn't result in any connection in the system.

Chapter 6

SYSTEM SECURITY MEASURES

1. Physical

This site containing the computer systems is physically secured against arms or surreptitious entry by intruders.

2. Operating System

No matter how to secure the system is, weakness in operating system security may serves as a means of unauthorized access to the network. Here Windows 8.1 as an operating system provides better level of security.

3. Network

Since almost all network system allows remote access through terminals and networks, software –level security within the network software is important. Network security can be attained by setting firewall and security options available with windows.

4. Database System

SQL Server database implementation provides better security to data from unauthorized data access from loss data. SQL Server has built in user management, encryption and restore facility.

5. Correction

Even with the best quality assurance activities, it is likely that the customer will uncover defects in the software. Corrective maintenance changes the software to correct defects.

6. Password

Password is the main security system for our site. This authorization mechanism limits the interaction with the resources to collection of user or system for enforcing integrity,

confidentiality or availability constraints. There will be secret password for the user of the system. Hence, authorized users cannot access data of the system.

7. Enhancement

As the software is used, the user will recognize additional functions that will provide benefit. Perfective maintenance extends the software beyond its original functional requirements.

8. Adaptation

Over time, the original environment (e.g. CPU, Operating System, Business Rules, and External Product Characteristics) for which was developed was likely to change. Adaptive maintenance results in the modification to the software to accommodate changes to its external environment.

9. System maintenance

Computer based business systems are dynamic. They must be able to accommodate changes in the business environment. These changes occur not only during the study, design, and development phases of the life cycle of the system, but also throughout its operational life. Maintenance involves the software industry captive, typing up the system resources. It means restoring something to its original condition. Maintenance involves a wide range of activities including correcting, coding and design errors, updating documentation and test data and upgrading user support. Maintenance is continued till the product is re-engineered or deployed to another platform. Maintenance is also done based on fixing the problems reported, changing the interface with other software or hardware enhancing the software. Security measures are provided to prevent unauthorized access of the database at various levels. An uninterrupted power supply should be so that the power failure or voltage fluctuations will not erase the data in the files.

We can define maintenance by fair different maintenance activities.

- (a) Corrective maintenance.
- (b) Adaptive maintenance.
- (c) Perfective maintenance or enhancement.
- (d) Preventive maintenance or reengineering.

10. Prevention

Computer software deteriorates due to change, and because of this, preventive maintenance, often called software reengineering, must be conducted to enable preventive maintenance makes changes to computer programs. So that they can be more easily corrected, adapted and enhanced.

Chapter 7

CONCLUSION

Online course portal is one of the very efficient and effective way of combining learning, testing and discussing on one platform. Different courses are available so that the student can have maximum benefit. Students who are willing to study more can further explore their required courses.

On the basis of courses that are available the student can appear the quizzes respectively. The quizzing facility available provides the students to test their knowledge and further does their self assessment. It is also possible to clear the doubts as the discussion facility open for all. Anyone can discuss in public and achieve the complete knowledge.

Chapter 8

SCOPE FOR FUTURE ENHANCEMENT

In future since each and every application should expand and it should provide a way for updating the system has been developed. All modules in the system are being developed carefully. Such that the future enhancement does not affect the basic performance of the system.

1. Generate temporary timetable for exam days.
2. Online Streaming Class
3. Alert the students in the case of substitution class.
4. Provide Assignments
5. International Hackthons
6. Oauth Facility for login
7. Paid Services
8. Programing interfaces for programing courses

Later we are also planning to develop this project as an android application. Also extending facility with notifying through SMS can also be applied for future scope.

APPENDICES

Appendix A

SCRUM PROCESS ARTIFACTS

A.1 Product Backlog

| Priority | Product backlog items | User story | Estimate (Hours) |
|----------|-----------------------|--|------------------|
| 1 | Database creation | As an admin , I want to be able to store all user information. | 240 |
| 2 | Login page | As a site member I want to login to the site. | 160 |
| 3 | Instructor page | As a site member, I want to be able to add different courses. | 400 |
| 4 | Course process | As a Instructor , I want to be able to upload datafiles for the appropriate courses. | 240 |
| 5 | Student page | As a student, I want to be able to opt for courses. | 80 |
| 6 | Student assessments | As a Instructor , I want to be able to make tests. | 40 |

A.1.1 Functional Requirements

Functional requirements define specific behaviour or functions. A functional requirement describes what a software system should do. The functional requirement is describing the behaviour of the system as it relates to the system's functionality. Here the functional requirements are expressed in terms of each user. This project contains three type of users .so this project contains three modules . First one is Admin module , second one is Instructor module and third is Students. Each one of them have their own roles to do. The functional requirement of this project is as follows:

1. Login for each users
2. Instructor can add the Courses. And possible to update the course. Admin can delete the course from the database. And also possible to view and update all the courses.
3. Each Instructor teaching more than one subjects. Admin can view the all faculties
4. Instructor can register their profile itself. Instructor can update their profile. And possible to change the password.
5. Instructor can add test questions options and answers
6. Students can opt for more than one courses at a time.
7. Students should be able to participate in tests
8. Instructor can approve to certify students based on test result
9. Student can register their profile itself. Instructor can update their profile. And possible to change the password.

Some properties of a system may be expressed either as a functional or non-functional property. Example The system shall ensure that data is protected from unauthorized access. Conventionally a non-functional requirement (security) because it does not specify specific system functionality expressed as functional requirement: The system shall include a user authorization procedure where users must identify themselves using a login name and password. Only users who are authorized in this way may access the system data. Non-functional requirements may result in new functional requirements statements.

A.1.2 Non Functional Requirements

A non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviors. Non-functional requirements place constraints on how the system will do so. The non-functional requirement elaborates a performance characteristic of the system. The principal non-functional constraints that is relevant to critical systems:

1. Performance

Performance requirements concern the speed of operation of a system. This application provides quick response. Types of performance requirements:

- (a) Response requirements (how quickly the system reacts to a user input) .

- (b) Throughput requirements (how much the system can accomplish within a specified amount of time) .

2. **Reliability**

Reliability is the ability of a system to perform its required functions under stated conditions for a specific period. This system is reliable because its functionalities can be done on the required conditions.

3. **Availability**

Availability is the proportion of time a system is in a functioning condition. It refers to the ability of a user to access information or resources in a specified location and in the correct format; this system is available at any time.

4. **Security**

Security is the degree of resistance to, or protection from, harm. It is the protection of information systems from theft or damage to the hardware, the software, and to the information on them, as well as from disruption or misdirection of the services they provide.

5. **Maintainability**

Maintainability is defined as the probability of performing a successful repair action within a given time. In other words, maintainability measures the ease and speed with which a system can be restored to operational status after a failure occurs.

6. **Portability**

Portability is the usability of the same software in different environments. It is a characteristic attributed to a computer program if it can be used in operating systems other than the one in which it was created without requiring major rework.

A.1.3 System Configuration

A system configuration (SC) in systems engineering defines the computers, processes, and devices that compose the system and its boundary. More general the system configuration is the specific definition of the elements that define and/or prescribe what a system is composed of.

Alternatively, the term system configuration can be used to relate to a model. A properly configured system will allow you to avoid nasty resource conflict problems, and make it easier for you to upgrade your system with new equipment in the future. An improperly configured system will lead to strange errors and problems, and make upgrading a big problem.

A.1.3.1 Hardware Configuration

- **SERVER SYSTEM**

- **Processor** : Pentium IV or above
- **Hard disk** : 80 GB or above
- **Mouse** : Standard
- **Keyboard** : Standard

- **CLIENT SYSTEM**

- **Processor** : Pentium IV or above
- **Hard disk** : 80 GB or above
- **Mouse** : Standard
- **Keyboard** : Standard

A.1.3.2 Software Configuration

- **SERVER SYSTEM**

- **Operating System** : Windows
- **Application Server** : Xampp Server
- **Front End** : Java 8.0
- **Back End** : MYSQL 5.5.8

- **CLIENT SYSTEM**

- **Operating System** : Windows
- **Internet Connection** : Any dialup or broadband connection with 50 kbps(min)
- **Web browser** : Any(Preferred :Google Chrome)

A.1.4 Conceptual Models

A conceptual model is a model made of the composition of concepts, which are used to help people know, understand, or simulate a subject the model represents. It is also known as a domain model. Conceptual modelling should not be confused with other modelling disciplines such as data modelling, logical modelling and physical modelling. The conceptual model is explicitly chosen to be independent of design or implementation concerns.

The aim of a conceptual model is to express the meaning of terms and concepts used by domain experts to discuss the problem, and to find the correct relationships between different concepts. The conceptual model attempts to clarify the meaning of various, usually ambiguous terms, and ensure that problems with different interpretations of the terms and concepts cannot occur. Such differing interpretations could easily cause confusion amongst stakeholders, especially those responsible for designing and implementing a solution, where the conceptual model provides a key artifact of business understanding and clarity.

A.1.4.1 ER Diagram

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is a component of data. In other words, ER diagrams illustrate the logical structure of databases. At first glance, an entity relationship diagram looks very much like a flowchart. It is the specialized symbols, and the meanings of those symbols, that make it unique.

Entities may be characterized not only by relationships, but also by additional properties (attributes), which include identifiers called "primary keys". Diagrams created to represent attributes as well as entities and relationships may be called entity-attribute-relationship diagrams, rather than entity-relationship models.


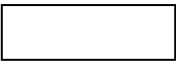
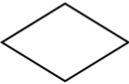

| Name | Symbol | Meaning |
|-----------|---|---|
| Oval |  | Shows different attributes |
| Rectangle |  | Shows entity set |
| Diamond |  | Show relationship among entity set |
| Line |  | Links entity set to attributes & entity set to relationship |

Figure A.1: Symbols Used

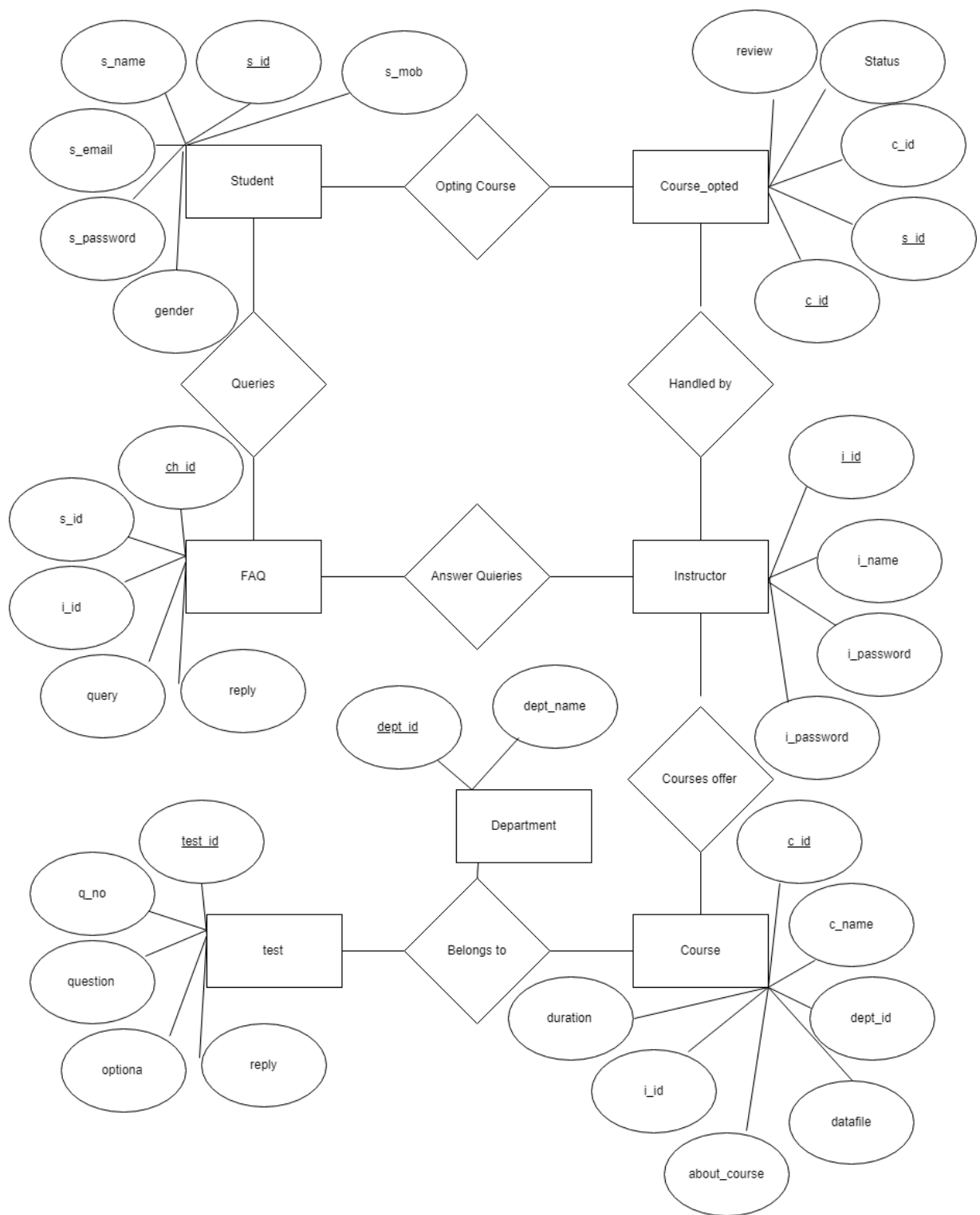


Figure A.2: ER Diagram

A.2 Sprint Details

| Task Name | Description | Priority | Status | Durations (Days) |
|-----------|--------------------------------------|----------|-----------|------------------|
| Sprint 1 | Requirement Collection and UI Design | High | Completed | 17 |
| Task 1 | Data Collection | High | Completed | 1 |
| Task 2 | Database Design | Medium | Completed | 2 |
| Task 3 | UI Design | Medium | Completed | 14 |
| Sprint 2 | Adding Modules | Medium | Completed | 20 |
| Task 1 | Admin Modules | Medium | Complete | 8 |
| Task 2 | Instructor Modules | High | Completed | 8 |
| Task 3 | Student Module | Medium | Completed | 4 |

A.3 Details of daily scrum meeting

Daily scrum meetings were held on each day of a sprint. The meetings were held in the office premises of the team at 9:30 am. These scrum meetings were strictly time-boxed to 15 minutes. This was to keep the discussion brisk but relevant.

All team members were required to attend scrum meetings. Since both the Scrum Master and product owner are committed team members, they are expected to attend and participate. Anyone else was allowed to attend, but was there only to listen. This made scrum meetings an excellent way for a Scrum team to disseminate information.

The daily scrum meeting was not used as a problem-solving or issue resolution meeting. Issues that were raised were taken off-line and usually dealt with by the relevant subgroup immediately after the meeting. During the daily scrum, each team member answered the following three questions:

- What did you do yesterday?
- What will you do today?
- Are there any impediments in your way?

By focusing on what each person accomplished on a day and would accomplish the next day, the team would gain an excellent understanding of what work had been done and what work remained. The daily scrum meeting was not a status update meeting in which a boss was collecting information about who was behind schedule. Rather, it was a meeting in which team members made commitments to each other.

A.4 Details of bi-weekly meeting

| Bi-weekly Meeting No. | Date | Details |
|-----------------------|------------|--|
| Bi-weekly Meeting 1 | 18-03-2019 | Requirement Collection and Database Design |
| Bi-weekly Meeting 2 | 01-04-2019 | UI Design |
| Bi-weekly Meeting 3 | 15-04-2019 | Admin section |
| Bi-weekly Meeting 4 | 30-04-2019 | Instructor and Student sections |

Appendix B

VERSIONING

| Sprint Number | Current Version Number |
|----------------------|-------------------------------|
| Sprint 1 | V1 |
| Sprint 2 | V2 |

Appendix C

DATA FLOW DIAGRAMS

Data flow is the one of the best ways of documenting the entire functionality of the system. For the system, which will have some data flows in and have some processing inside and then some data flow out from the system can be documented or represented effectively by means of data flow diagrams.

The data flow diagrams are a diagrammatic representation of the system, which has input, process and outputs. Once any system is represented using a data flow diagrams we can identify the following things easily:

1. Various entities interacting with the system are identified
2. Flow of data from one entity to another is identified
3. The various processes involved in between the interaction of two or more entities in the system are clearly pointed out.
4. The various data stores, which hold the data in between the processes, are clearly identified.

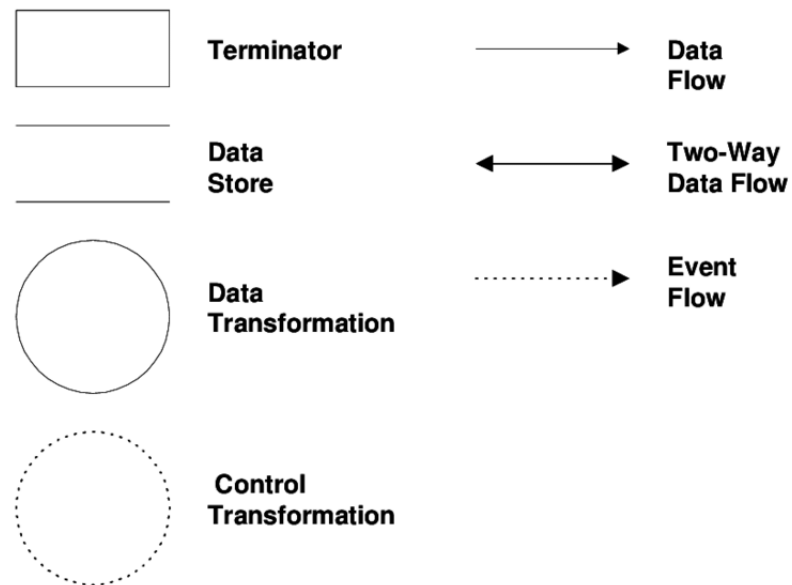


Figure C.1: DFD Symbols

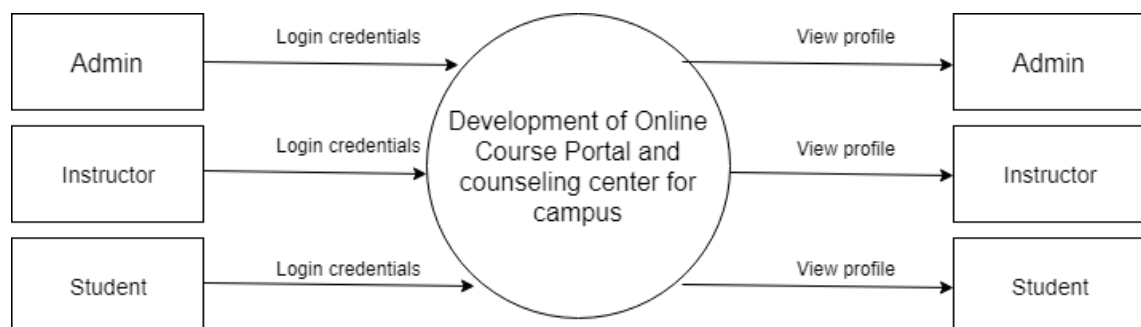


Figure C.2: Level 0

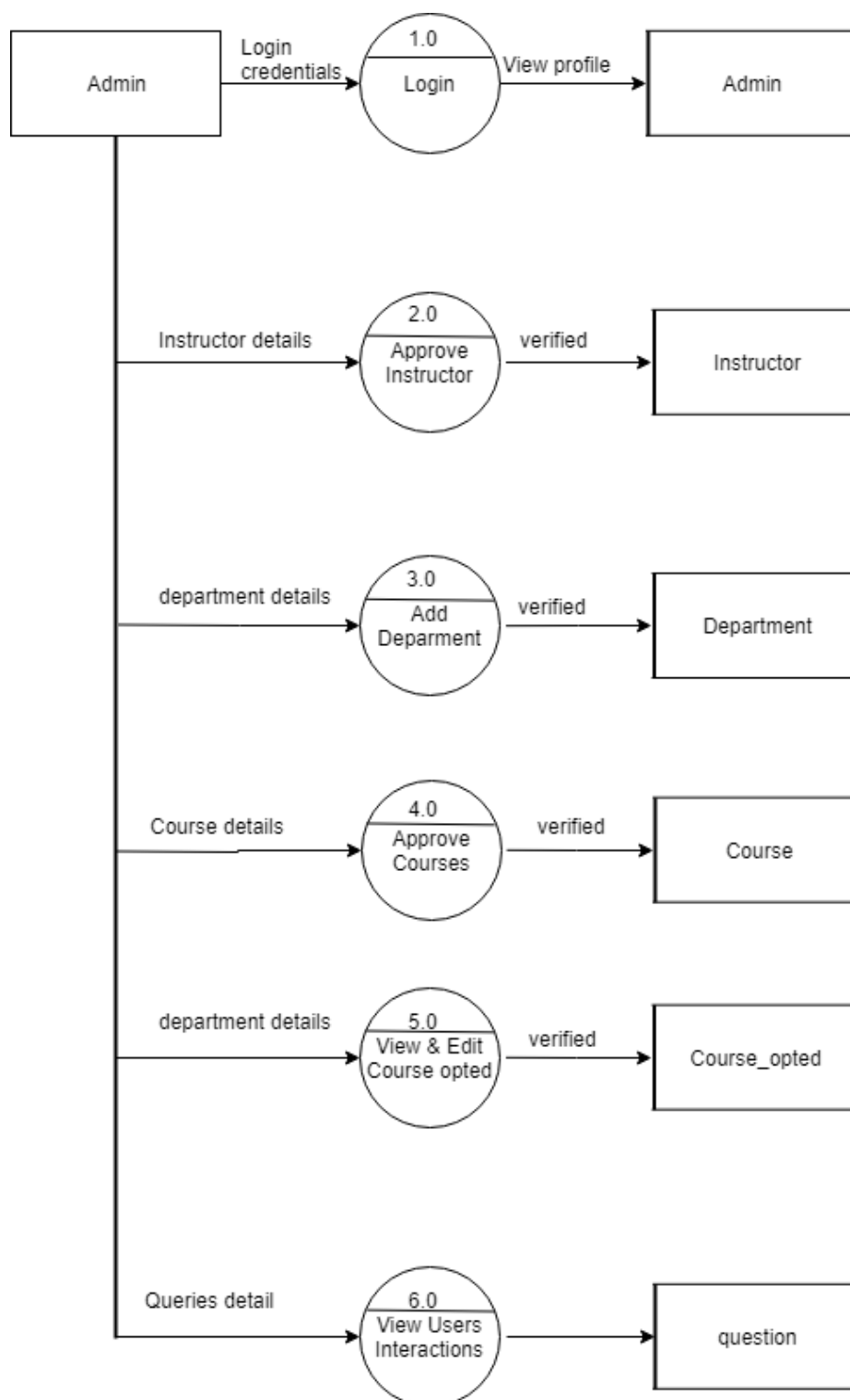


Figure C.3: Level 1 Admin

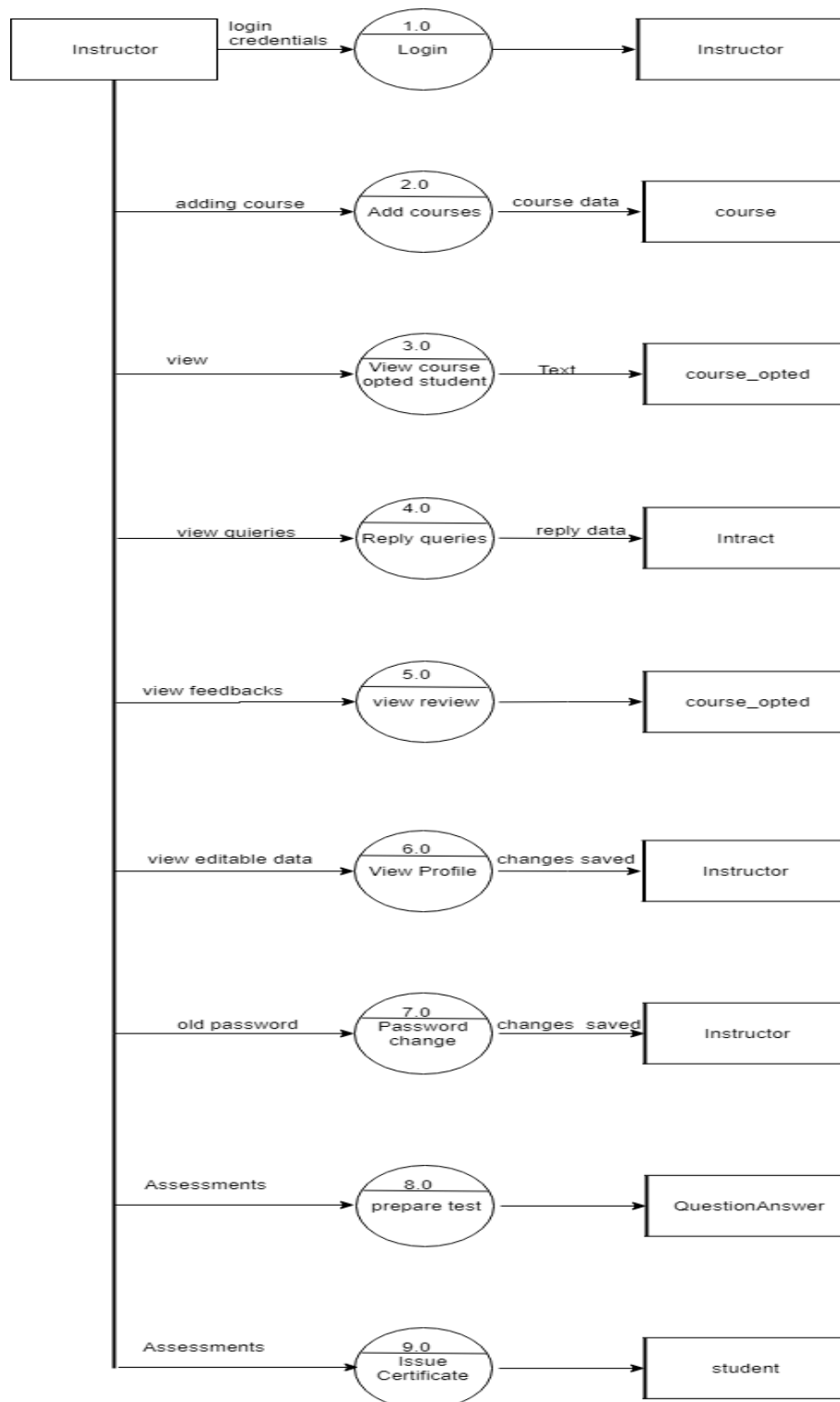


Figure C.4: Level 1 Instructor

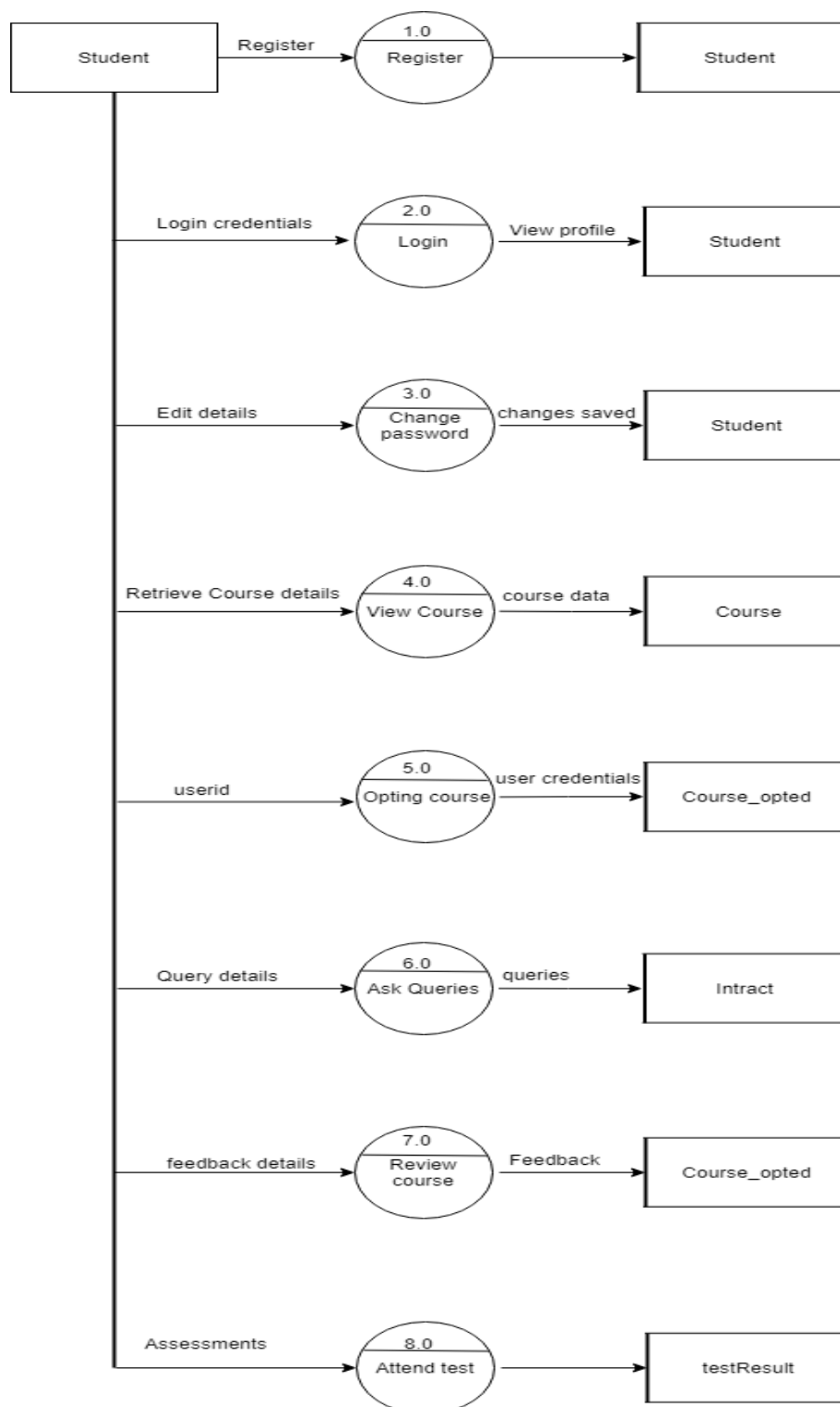


Figure C.5: Level 1 Student

Appendix D

TABLE STRUCTURE

Table Name : **admin**

Description : To store the details of admin

| sl | Name | Type | Attributes |
|----|------------|-------------|-------------|
| 1 | a_id | int(5) | PRIMARY KEY |
| 2 | a_name | varchar(30) | NOT NULL |
| 3 | a_email | varchar(30) | NOT NULL |
| 4 | a_password | varchar(10) | NOT NULL |

Table D.1: Admin table

Table Name : **student**

Description : To store the details of student

| sl.no | Name | Type | Attributes |
|-------|------------|-------------|-------------|
| 1 | s_id | int(5) | PRIMARY KEY |
| 2 | s_name | varchar(15) | NOT NULL |
| 3 | gender | varchar(6) | NOT NULL |
| 4 | s_mob | varchar(10) | NOT NULL |
| 5 | s_email | varchar(25) | NOT NULL |
| 6 | s_password | varchar(15) | NOT NULL |

Table D.2: Student table

Table Name : **Instructor**

Description : To store the details of Instructor

| sl.no | Name | Type | Constrains |
|-------|-------------|-------------|-------------|
| 1 | i_id | int(5) | PRIMARY KEY |
| 2 | i_name | varchar(15) | NOT NULL |
| 3 | gender | varchar(6) | NOT NULL |
| 4 | i_mob | varchar(10) | NOT NULL |
| 5 | i_email | varchar(25) | NOT NULL |
| 6 | i_password | varchar(15) | NOT NULL |
| 7 | institution | varchar(25) | NOT NULL |
| 8 | workaddress | varchar(25) | NOT NULL |
| 9 | status | varchar(10) | NOT NULL |

Table D.3: Instructor table

Table Name : **course**

Description : To store the details of courses

| sl.no | Name | Type | Constrains |
|-------|--------------|--------------|-------------|
| 1 | c_id | int(5) | PRIMARY KEY |
| 2 | c_name | varchar(15) | NOT NULL |
| 3 | about_course | varchar(250) | NOT NULL |
| 4 | i_id | int(10) | NOT NULL |
| 5 | duration | varchar(10) | NOT NULL |
| 6 | dept | varchar(20) | NOT NULL |
| 7 | datafile | varchar(250) | NOT NULL |

Table D.4: Course table

Table Name : **courseopted**

Description : To store the details of course opted students

| sl.no | Name | Type | Constrains |
|-------|--------|--------------|-------------|
| 1 | co_id | int(5) | PRIMARY KEY |
| 2 | s_id | varchar(10) | NOT NULL |
| 3 | review | varchar(250) | NULL |
| 4 | c_id | int(5) | NOT NULL |
| 5 | status | varchar(10) | NOT NULL |

Table D.5: CourseOpted table

Table Name : **dept**

Description : To store the details of departments

| sl.no | Name | Type | Constrains |
|-------|-----------|-------------|-------------|
| 1 | dept_id | int(5) | PRIMARY KEY |
| 2 | dept_name | varchar(20) | NOT NULL |

Table D.6: Department table

Table Name : **test**

Description : To store the details of question paper

| sl.no | Name | Type | Constrains |
|-------|----------|--------------|-------------|
| 1 | test_id | int(5) | PRIMARY KEY |
| 2 | c_id | int(5) | NOT NULL |
| 3 | q_no | int(5) | NOT NULL |
| 4 | Question | varchar(250) | NOT NULL |
| 5 | oa | varchar(250) | NOT NULL |
| 6 | ob | varchar(250) | NOT NULL |
| 7 | oc | varchar(250) | NOT NULL |
| 8 | od | varchar(250) | NOT NULL |
| 9 | answer | varchar(250) | NOT NULL |

Table D.7: Test table

Table Name : **result**

Description : To store the details of result of students

| sl.no | Name | Type | Constrains |
|-------|-------|--------|-------------|
| 1 | tr_id | int(5) | PRIMARY KEY |
| 2 | s_id | int(5) | NOT NULL |
| 3 | c_id | int(5) | NOT NULL |
| 4 | score | int(5) | NOT NULL |

Table D.8: Result table

Table Name : **question**

Description : To store the details of queries of students

| sl.no | Name | Type | Constrains |
|-------|----------|--------------|-------------|
| 1 | q_id | int(5) | PRIMARY KEY |
| 2 | s_id | int(5) | NOT NULL |
| 3 | question | varchar(500) | NOT NULL |

Table D.9: Queries table

Table Name : **answer**

Description : To store the details of replay to queries.

| sl.no | Name | Type | Constrains |
|-------|--------|--------------|-------------|
| 1 | ans_id | int(5) | PRIMARY KEY |
| 2 | i_id | int(5) | NOT NULL |
| 3 | q_id | varchar(6) | NOT NULL |
| 4 | answer | varchar(500) | NOT NULL |

Table D.10: Replay table

Appendix E

SAMPLE SCREENSHOTS

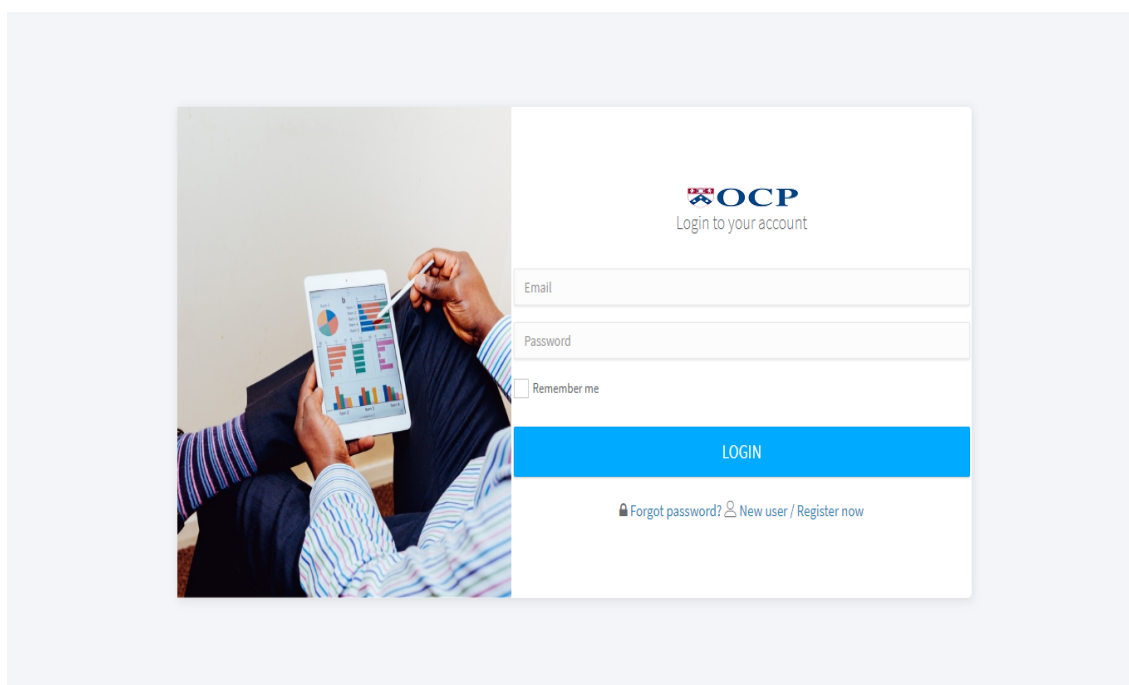
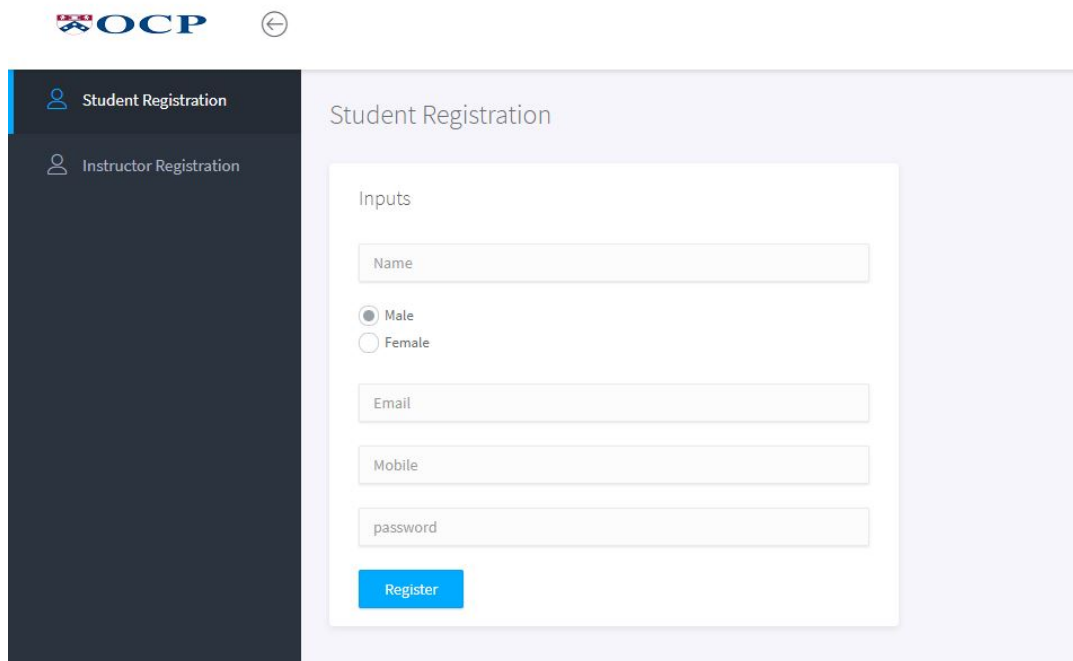


Figure E.1: Login Page



Student Registration

Inputs

Name

☒ Male
☐ Female

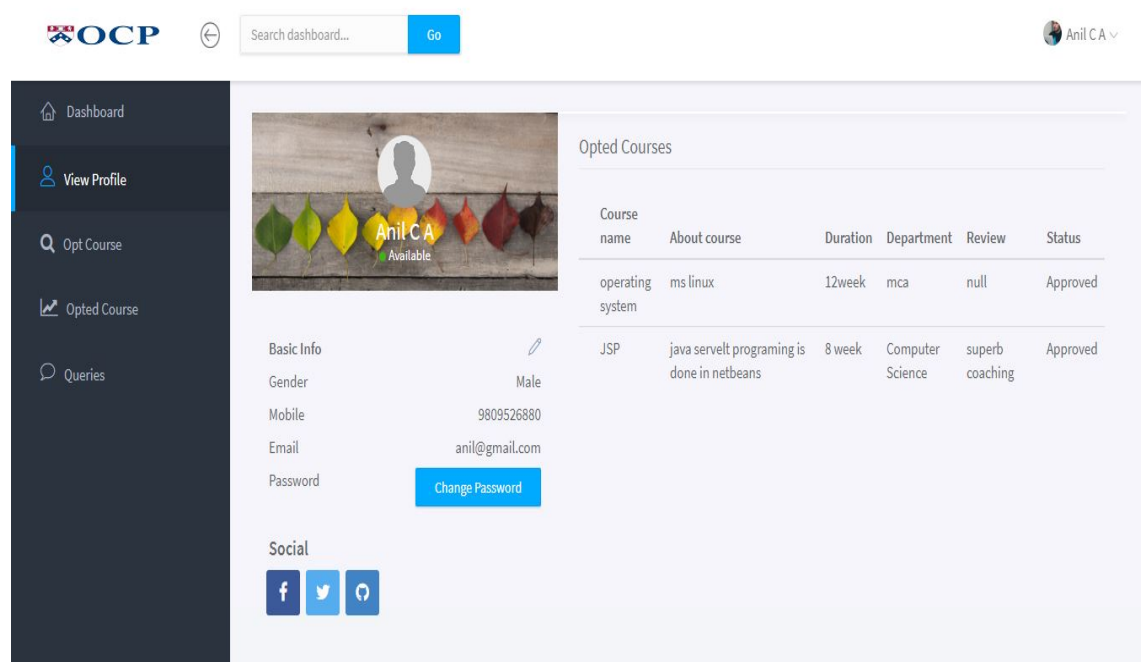
Email

Mobile

password

Register

Figure E.2: Student registration Page



Search dashboard... Go

Anil C A

Dashboard

View Profile

Opt Course

Opted Course

Queries

Basic Info

Gender: Male

Mobile: 9809526880

Email: anil@gmail.com

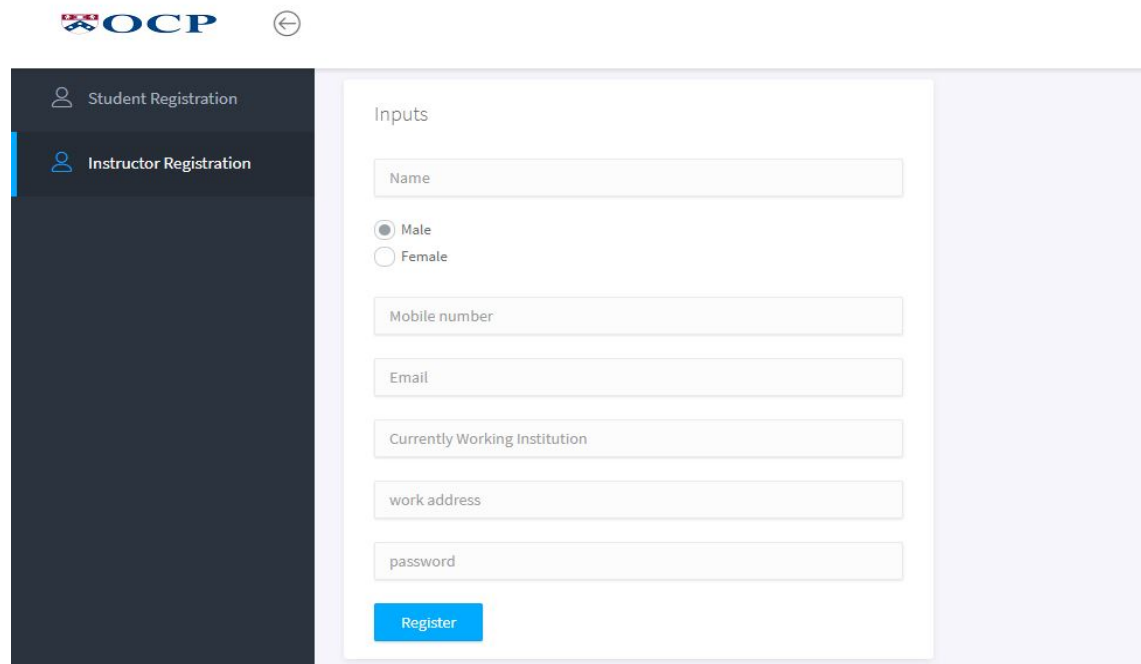
Password: [Change Password](#)

Social

Opted Courses

| Course name | About course | Duration | Department | Review | Status |
|------------------|---|----------|------------------|-----------------|----------|
| operating system | ms linux | 12week | mca | null | Approved |
| JSP | java servelt programing is done in netbeans | 8 week | Computer Science | superb coaching | Approved |

Figure E.3: Student profile Page



OCP

Student Registration

Instructor Registration

Inputs

Name

Male
Female

Mobile number

Email

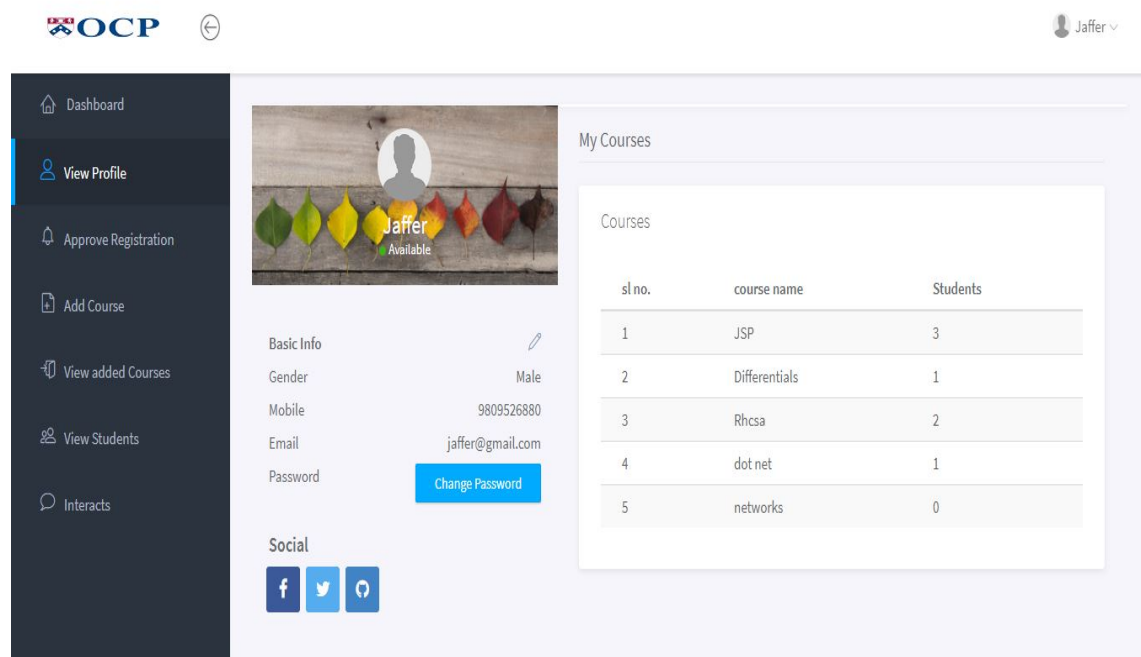
Currently Working Institution

work address

password

Register

Figure E.4: Instructor registration Page



OCP

Jaffer

Dashboard

View Profile

Approve Registration

Add Course

View added Courses

View Students

Interacts

Basic Info

Gender: Male

Mobile: 9809526880

Email: jaffer@gmail.com

Password: [Change Password]

Social

My Courses

Courses

| sl no. | course name | Students |
|--------|---------------|----------|
| 1 | JSP | 3 |
| 2 | Differentials | 1 |
| 3 | Rhcsa | 2 |
| 4 | dot net | 1 |
| 5 | networks | 0 |

Figure E.5: Instructor Profile Page

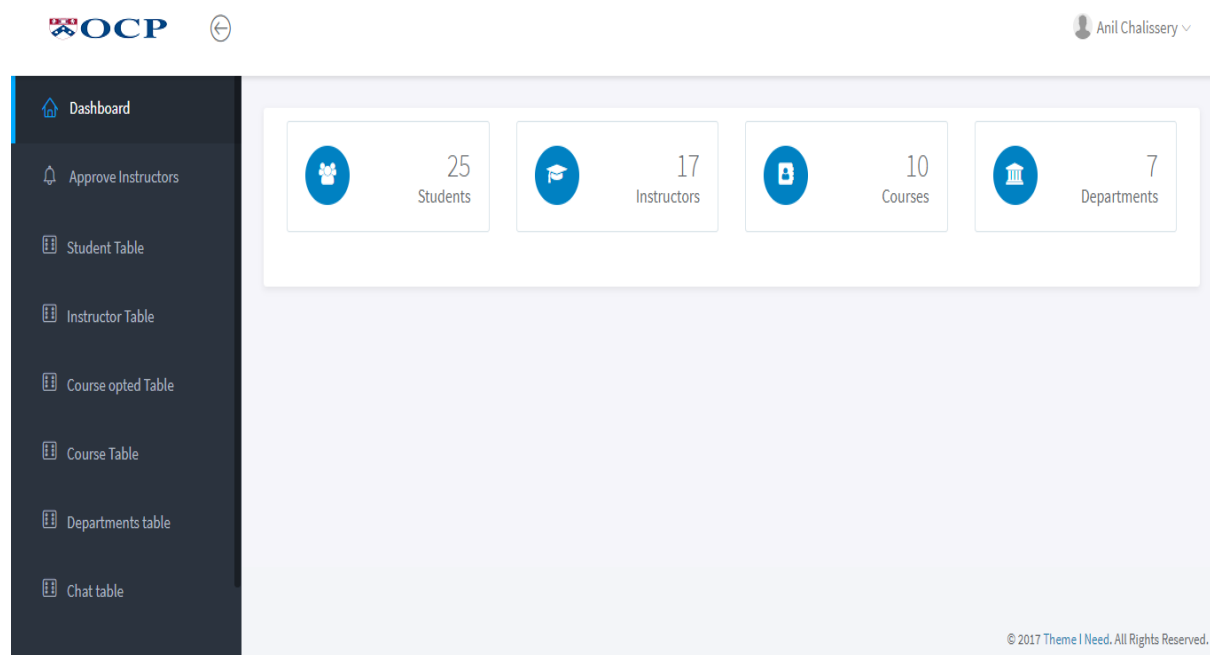


Figure E.6: Admin panel Page

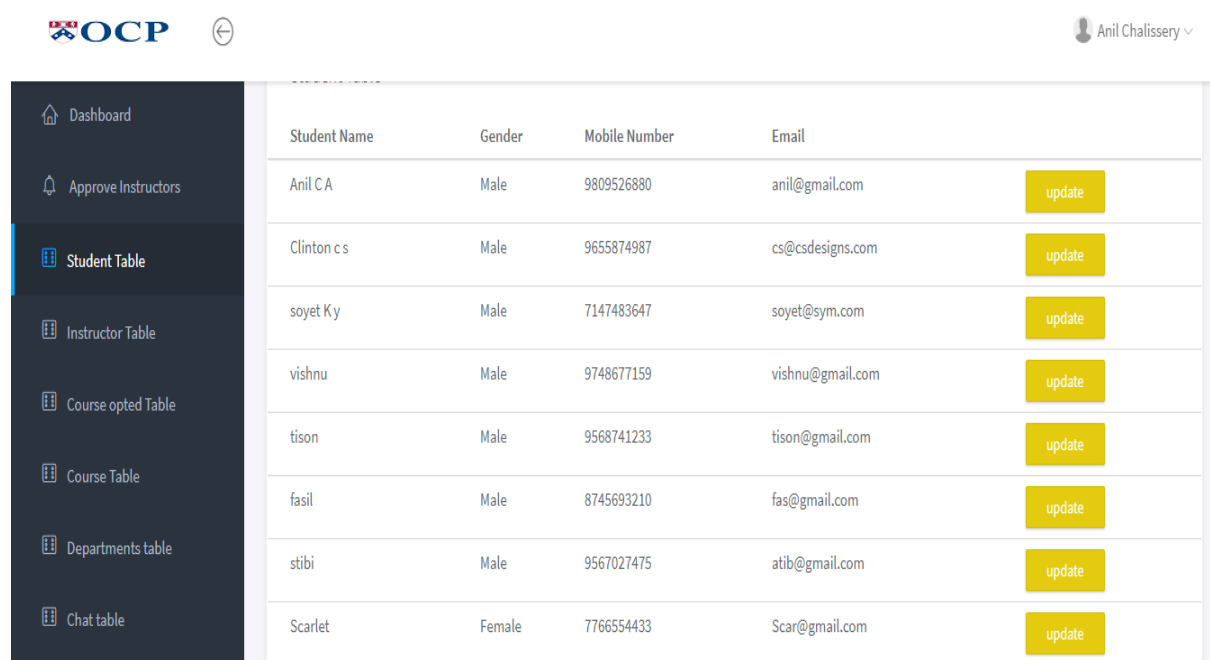


Figure E.7: Students data Page

Instructor Table

| Instructor Name | Gender | Mobile No | Email | Status | Approve | Reject |
|-----------------|--------|------------|------------------|----------|---------|--------|
| Jaffer | Male | 9809526880 | jaffer@gmail.com | Approved | Approve | Reject |
| clinton s p | Male | 7896541784 | cli@gm.hcom | Approved | Approve | Reject |
| ibi P S | Female | 7589741235 | jibi@gmail.com | Rejected | Approve | Reject |
| nikhil | Male | 7458962145 | niki@gmail.com | Approved | Approve | Reject |
| Rajan p | Male | 9854785693 | raj@gmail.com | Pending | Approve | Reject |
| tony stark | Male | 9999999999 | 3ewsdrr@wsde.com | Pending | Approve | Reject |
| Thor | Male | 7744112288 | ax@gmail.com | Approved | Approve | Reject |

Figure E.8: Approving Instructor Page

Course data

| sl no | course name | about course | instructor_name | duration | department | file |
|-------|----------------------|---|-----------------|----------|------------------|--|
| 1 | JSP | java servelt programing is done in netbeans | Jaffer | 8 week | Computer Science | PaymentForm.pdf |
| 2 | PHP | null | clinton s p | 2 week | mca | ajjjohnac@gmail.com.pdf |
| 3 | operating system | ms linux | ibi P S | 12week | mca | tax.jpg |
| 4 | Python | Server Side Scr | Thor | 6 week | Computer Science | DualCloudData.rar |
| 5 | Differentials | super course | Jaffer | 8 week | EEE | PaymentForm.pdf |
| 6 | Rhcsa | Redhat certified System admin | Jaffer | 4 weeks | Computer Science | DraftPrint.pdf |
| 7 | Operational Research | the course is about Operation research | Sujatha | 12week | Maths | screencapture-nationalskillsregistry-nasscom-pageflows-ity-ityRegistration-ITPQualificationInfoAction-do-2019-04-09-20_20_10.png |

Figure E.9: Course data Page

OCP

Jaffer ▾

Dashboard

View Profile

Approve Registration

Add Course

View added Courses

View Students

Interacts

add Question

Inputs

Differentials

Enter question

Enter Option A

Enter Option B

Enter Option C

Enter Option D

☐ Option A ☐ Option B ☐ Option C ☐ Option D

Submit

Test Questions

© 2017 Theme I Need. All Rights Reserved.

Figure E.10: Adding test page

OCP

Search dashboard... Go

5 ? Help Anil C A

Dashboard

View Profile

Opt Course

Opted Course

Queries

JSP

1. what is jsp

☐ java server packet ☐ java service package ☐ java session protocol ☐ java server packet

2. what is jsp

☐ java server packet ☐ java service package ☐ java session protocol ☐ java server packet

3. what is jsp

☐ java server packet ☐ java service package ☐ java session protocol ☐ java server packet

4. what function is used to recie

☐ qwe ☐ rew ☐ asd ☐ qwe

5. what function is used to recie

Figure E.11: Attending test page

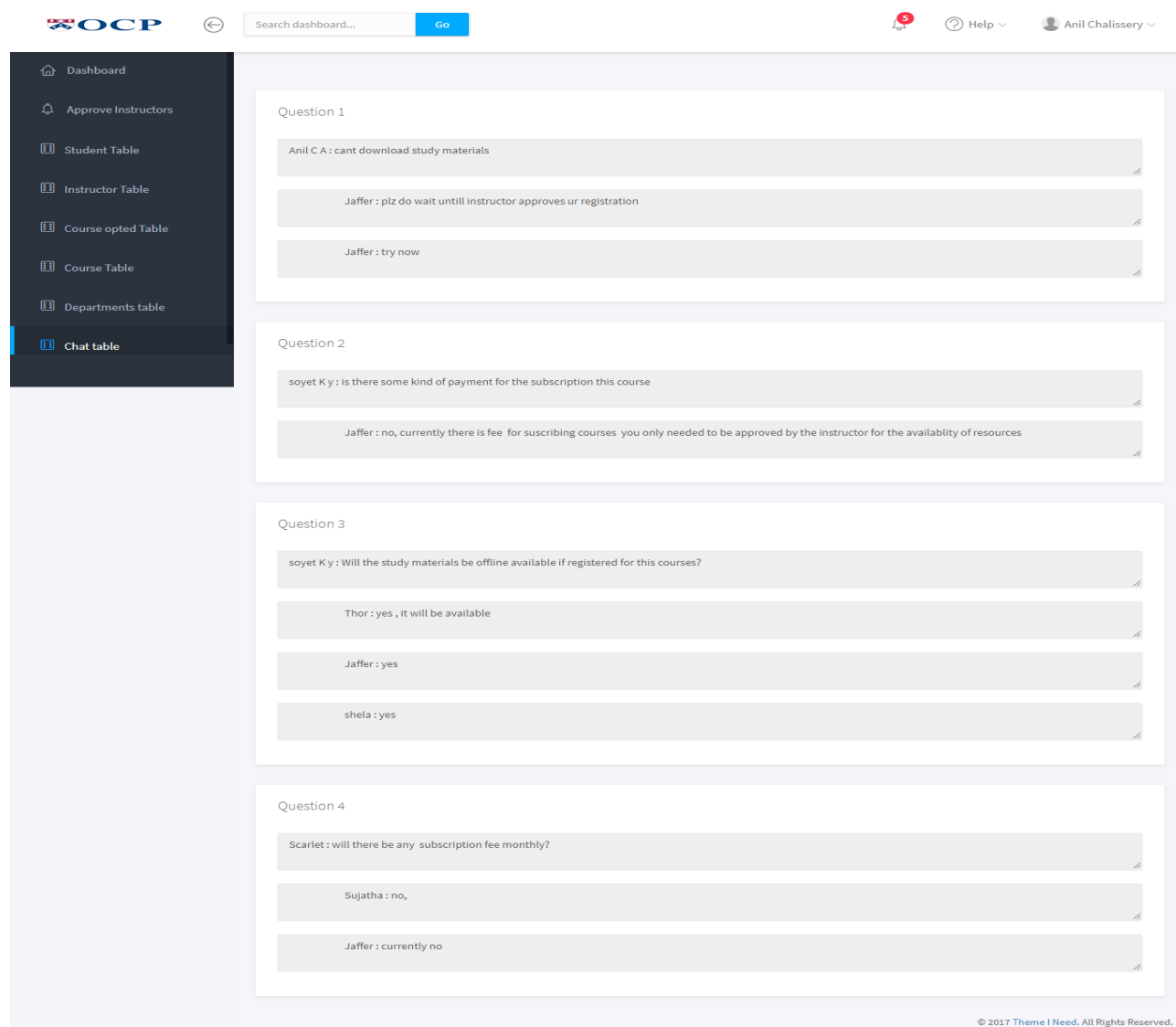


Figure E.12: FAQ Page

Bibliography

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- [2] www.w3schools.com
- [3] <https://www.tutorialspoint.com/jsp/>
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- [5] <http://www.mysqltutorial.org/>
- [6] <https://netbeans.org/kb/docs/java/quickstart.html>





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