1. PRELIMINARY INVESTIGATION

1.1 <u>INTRODUCTION</u>

As we all know that its time consuming and some sort of difficulty to maintain consistency of timetable in lectures to use all classrooms, labs and ground of the whole college by all sections and their respective departments.

"College Scheduler Maintenance" is an cross platform web application that is used to maintain the consistency in scheduled lectures, which lecture is being conducted at what time according to time table. Such that no classroom is vacant in college working hours and may be alloted to needed respectives to conduct lectures, practicals etc.

1.2 OVERVIEW OF THE TECHNOLOGY USED

Front end: HTML, CSS, Javascript.

HTML: is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on.
- Browsers do not display the HTML tags, but use them to render the content of the page.

CSS: is the Style Sheet for applying dynamic designs to web page   elements.

- CSS stands for Cascading Style Sheet.
- CSS describes the presentational design of the page.
- CSS consists of a series of design instructions to every element in the web page.
- CSS elements tell the browser how to present the web page.
- CSS uses selectors to apply designs to tags.
- Browser renders the stylesheet and determines where to give the design instructions to which tags and when.

JavaScript: is often abbreviated as JS, is a high-level interpreted scripting language.

- JS has been included on web pages to make them more interactive.
- JS can be used to modify the contents of forms, change images, open new windows and write dynamic page content.
- Use to override CSS properties.
- JavaScript only executes on the pages that are on your browser window at any set time.
- It supports object-oriented programming also.
- Browser starts and stops the scripts according to the navigation of pages scripts respectively to the page.

Back end: JSON, PHP, MS-Office Excel.

PHP

JSON   **MS-EXCEL**

JSON: is a syntax for storing and exchanging data.

- JSON stands for JavaScript Object Notation.
- JSON is a text written with JavaScript Object notation.
- JSON is text, and we can convert any JavaScript object into JSON, and send JSON to the server.
- JSON is a lightweight data-interchange format
- JSON is "self-describing" and easy to understand
- JSON is language independent *

PHP 7: is a major release of PHP programming language and is touted to be a revolution in the way web applications can be developed and delivered for mobile to enterprises and the cloud. This release is considered to be the most important change for PHP after the release of PHP 5 in 2004.

- **Improved performance** − Having PHPNG code merged in PHP7, it is twice as fast as PHP 5.

- **Lower Memory Consumption** − Optimized PHP 7 utilizes lesser resource.

- **Scalar type declarations** − Now parameter and return types can be enforced.

- **Consistent 64-bit support** − Consistent support for 64-bit architecture machines.

- **Improved Exception hierarchy** − Exception hierarchy is improved.

- **Many fatal errors converted to Exceptions** − Range of exceptions is increased covering many fatal error converted as exceptions.

- **Secure random number generator** − Addition of new secure random number generator API.

- **Deprecated SAPIs and extensions removed** − Various old and unsupported SAPIs and extensions are removed from the latest version.

- **The null coalescing operator (??)** − New null coalescing operator added.

- **Return and Scalar Type Declarations** − Support for return type and parameter type added.

- **Anonymous Classes** − Support for anonymous added.

- **Zero cost asserts** − Support for zero cost assert added.

Microsoft Excel: is spreadsheet program. That means it's used to create grids of text, numbers and formulas specifying calculations.

- That's extremely valuable for many businesses, which use it to record expenditures and income, plan budgets, chart data and succinctly present fiscal results.

- It can be programmed to pull in data from external sources such as stock market feeds, automatically running the data through formula such as financial models to update such information in real time. Like Microsoft Word, Excel has become a de facto standard in the business world, with Excel spreadsheets frequently emailed and otherwise shared to exchange data and perform various calculations.

- Excel also contains fairly powerful programming capabilities for those who wish to use them that can be used to develop relatively sophisticated financial and scientific computation capabilities.

1.3   ABSTRACT

Online College Schedule Maintenance will provide help to search and maintain college lectures according to the lecturer's schedule of each and every department followed by every section. e.g. BSc. Computer science department from PNG section. This will help to know how many lectures are conducted in the whole college at that instance of time and for how long the lectures of each class is being conducted.

1.4 PROJECT NEEDS

According to the **traditional system** we have to keep an record of all lectures and timetable, and go through it when ever needed to know,

- where the lecturer is conducting lectures at certain classes,
- whether the class is occupied or not by other teaching staffs,
- viewing weekly lectures timetable,
- whether classes are vacant according to the time table but occupied by others,

Online College Schedule Maintence is an approach to find out the above mentioned Requirements.Its good to have such information which helps to avoid the collision of two or more classes and adjust their schedule.

It allows to upload the Time-Table data from all other Departments of a Institute, Aligned it according to the institute wishes, and displays the outcome of the data.

Also it checks the vacant dorm and can be utilized by the needed department.

1.5 <u>FEASIBILITY STUDY</u>

The feasibility study investigates the problem and the information needs of the stakeholders. It seeks to determine the resources required to provide an information systems solution, the cost and benefits of such a solution, and the feasibility of such a solution. The analyst conducting the study gathers information using a variety of methods, the most popular of which are:

- Interviewing users, employees, managers, and customers.
- Developing and administering questionnaires to interested stakeholders, such as potential users of the information system.
- Observing or monitoring users of the current system to determine their needs as well as their satisfaction and dissatisfaction with the current system.
- Collecting, examining, and analyzing documents, reports, layouts, procedures, manuals, and any other documentation relating to the operations of the current system.
- Modeling, observing, and simulating the work activities of the current system.

The goal of the feasibility study is to consider alternative information systems solutions, evaluate their feasibility, and propose the alternative most suitable to the organization. The feasibility of a proposed solution is evaluated in terms of its components. These components are:

Economic feasibility :

The economic viability of the proposed system. The proposed project's cost and benefits are evaluated. Tangible costs include fixed and variable costs, while tangible benefits include cost savings, increased revenue, and increased profit. A project is approved only if it covers its cost in a given period of time. However, a project may be approved only on its intangible benefits such as those relating to government regulations, the image of the organization, or similar considerations.

Technical feasibility :

The possibility that the organization has or can procure the necessary resources. This is demonstrated if the needed hardware and software are available in the marketplace or can be developed by the time of implementation.

Operational feasibility:

The ability, desire, and willingness of the stakeholders to use, support, and operate the proposed computer information system. The stakeholders include management, employees, customers, and suppliers. The stakeholders are interested in systems that are easy to operate, make few, if any, errors, produce the desired information, and fall within the objectives of the organization.

1.6   HARDWARE AND SOFTWARE REQUIREMENTS

Hardware Requirements

Sections	Requirements and recommendations
Supported Operating systems	• **Windows xp/7/8/8.1/10/NT/Server/Enterprise * (all) 32/64 bit** • **Linux *(all) 32/64 bit versions** • **Mac OS *(all) 32/64bit versions**
Additional Software requirements	• **Any JavaSscipt enabled web browser**
Display	• **Recommended resolution 1024 x 768 pixels** • **Minimum resolution 800 x 600 pixels.** • **Maximum resolution 1440 x 900 pixels.**
Memory	• **1GB or more (Recommended for less than 1.5 GHz Clock Speed processing devices.)** • **2GB or more (Recommended)**
CPU	• **1.5 GHz processor clock speed or higher.**

Software Requirements

Sections	Requirements and recommendations
Supported Operating systems	• **Windows xp/7/8/8.1/10/NT/Server/Enterprise * (all) 32/64 bit** • **Linux *(all) 32/64 bit versions** • **Mac OS *(all) 32/64bit versions**
Additional Software requirements	• **Any JS enabled web browser (Recommended)** • **Use updated version of web browsers (Recommended)**

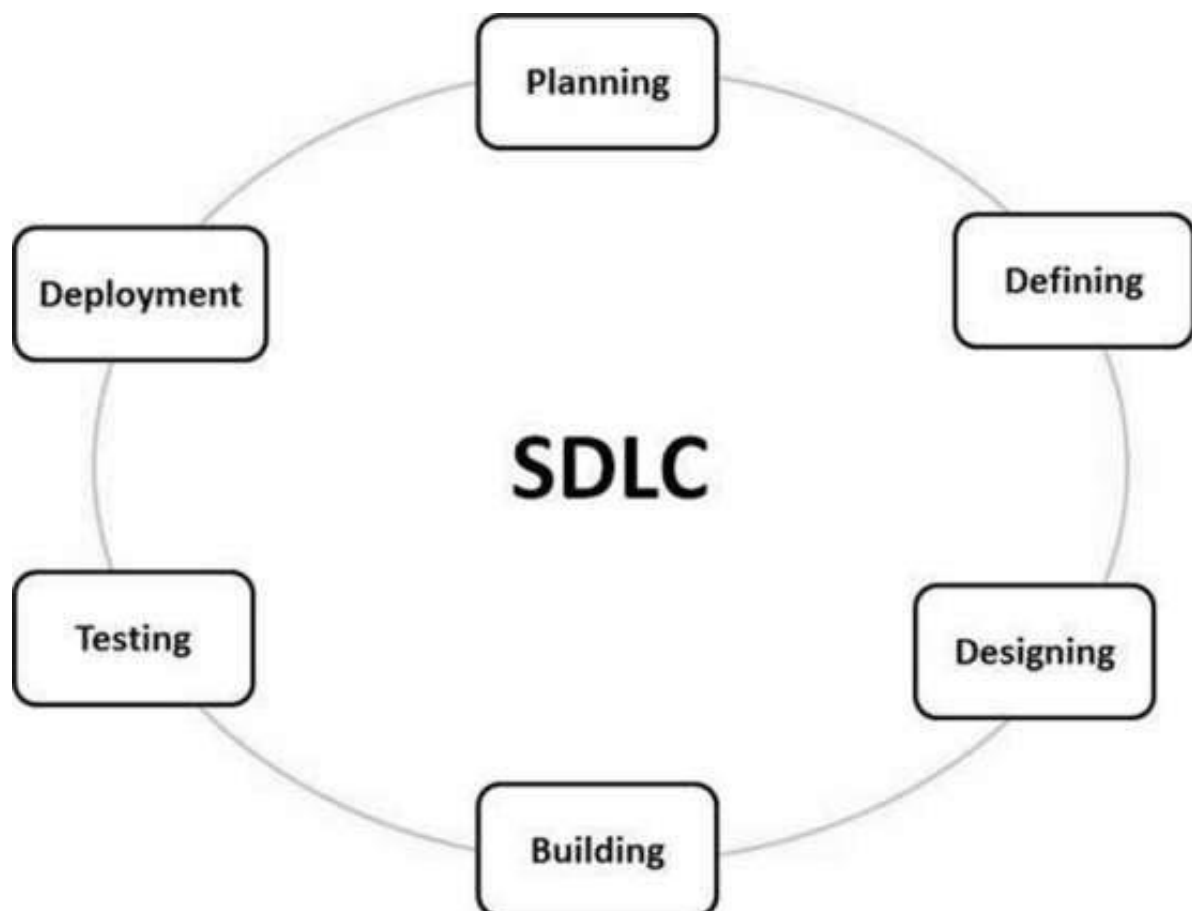## 1.7 <u>SDLC (Software development life cycle model)</u>

Software Development Life Cycle (SDLC) is a process used by the software industry to design, develop and test high quality software's. The SDLC aims to produce a high-quality software that meets or exceeds customer expectations, reaches completion within times and cost estimates.

- SDLC is the acronym of Software Development Life Cycle.

- It is also called as Software Development Process.

- SDLC is a framework defining tasks performed at each step in the software development process.

- ISO/IEC 12207 is an international standard for software life-cycle processes. It aims to be the standard that defines all the tasks required for developing and maintaining software.

What is SDLC?

SDLC is a process followed for a software project, within a software organization. It consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.

The following figure is a graphical representation of the various stages of a typical SDLC.

A typical Software Development Life Cycle consists of the following stages –

Stage 1: Planning and Requirement Analysis

Requirement analysis is the most important and fundamental stage in SDLC. It is performed by the senior members of the team with inputs from the customer, the sales department, market surveys and domain experts in the industry. This information is then used to plan the basic project approach and to conduct product feasibility study in the economical, operational and technical areas.

Planning for the quality assurance requirements and identification of the risks associated with the project is also done in the planning stage. The outcome of the technical feasibility study is to define the various technical approaches that can be followed to implement the project successfully with minimum risks.

Stage 2: Defining Requirements

Once the requirement analysis is done the next step is to clearly define and document the product requirements and get them approved from the customer or the market analysts. This is done through an **SRS (Software Requirement Specification)** document which consists of all the product requirements to be designed and developed during the project life cycle.

Stage 3: Designing the Product Architecture

SRS is the reference for product architects to come out with the best architecture for the product to be developed. Based on the requirements specified in SRS, usually more than one design approach for the product architecture is proposed and documented in a DDS - Design Document Specification.

This DDS is reviewed by all the important stakeholders and based on various parameters as risk assessment, product robustness, design modularity, budget and time constraints, the best design approach is selected for the product.

A design approach clearly defines all the architectural modules of the product along with its communication and data flow representation with the external and third-party modules (if any). The internal design of all the modules of the proposed architecture should be clearly defined with the minutest of the details in DDS.

Stage 4: Building or Developing the Product

In this stage of SDLC the actual development starts and the product is built. The programming code is generated as per DDS during this stage. If the design is performed in a detailed and organized manner, code generation can be accomplished without much hassle.

Developers must follow the coding guidelines defined by their organization and programming tools like compilers, interpreters, debuggers, etc. are used to generate the code. Different high-level programming languages such as C, C++, Pascal, Java and PHP are used for coding. The programming language is chosen with respect to the type of software being developed.

Stage 5: Testing the Product

This stage is usually a subset of all the stages as in the modern SDLC models, the testing activities are mostly involved in all the stages of SDLC. However, this stage refers to the testing only stage of the product where product defects are reported, tracked, fixed and retested, until the product reaches the quality standards defined in the SRS.

Stage 6: Deployment in the Market and Maintenance

Once the product is tested and ready to be deployed it is released formally in the appropriate market. Sometimes product deployment happens in stages as per the business strategy of that organization. The product may first be released in a limited segment and tested in the real business environment (UAT- User acceptance testing).

Then based on the feedback, the product may be released as it is or with suggested enhancements in the targeting market segment. After the product is released in the market, its maintenance is done for the existing customer base.

SDLC Models

There are various software development life cycle models defined and designed which are followed during the software development process. These models are also referred as Software Development Process Models". Each process model follows a Series of steps unique to its type to ensure success in the process of software development.

Following are the most important and popular SDLC models followed in the industry −

- Waterfall Model
- Iterative Model
- Spiral Model
- V-Model
- Big Bang Model

Other related methodologies are Agile Model, RAD Model, Rapid Application Development and Prototyping Models
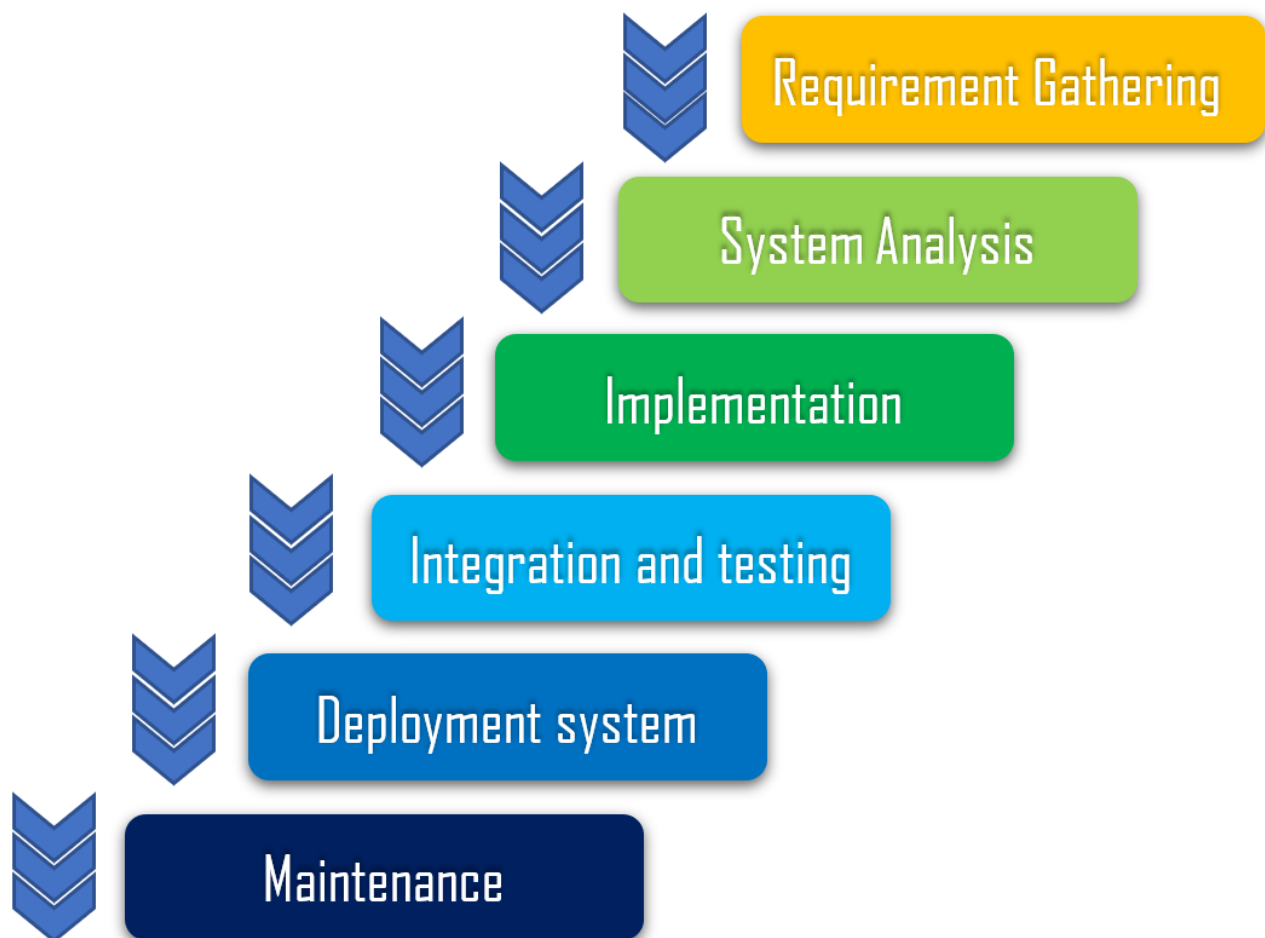
WATERFALL MODEL

What is WaterFall Model?

The **Waterfall Model** was the first Process Model to be introduced. It is very simple to understand and use. In a *Waterfall* model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. *Waterfall* model is the earliest *SDLC* approach that was used for software development.

In "**The Waterfall**" approach, the whole process of *software development* is divided into separate phases. The outcome of one phase acts as the input for the next phase sequentially. This means that any phase in the development process begins only if the previous phase is complete. The waterfall model is a sequential design process in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of **Conception, Initiation, Analysis, Design, Construction, Testing, Production/Implementation and Maintenance.**

As the **Waterfall Model** illustrates the software development process in a linear sequential flow; hence it is also referred to as a **Linear-Sequential Life Cycle Model**.

Requirement Gathering

System Analysis

Implementation

Integration and testing

Deployment system

Maintenance

Sequential Phases in the Waterfall Model

- **Requirements:** The first phase involves understanding what needs to design and what is its function, purpose, etc. Here, the specifications of the input and output or the final product are studied and marked.
- **System Design:** The requirement specifications from the first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture. The software code to be written in the next stage is created now.
- **Implementation:** With inputs from system design, the system is first developed in small programs called units, which are integrated into the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.
- **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing of each unit. The software designed, needs to go through constant software testing to find out if there are any flaw or errors. Testing is done so that the client does not face any problem during the installation of the software.
- **Deployment of System:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.
- **Maintenance:** This step occurs after installation, and involves making modifications to the system or an individual component to alter attributes or improve performance. These modifications arise either due to change requests initiated by the customer, or defects uncovered during live use of the system. The client is provided with regular maintenance and support for the developed software.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for the previous phase and it is signed off, so the name "*Waterfall Model*".
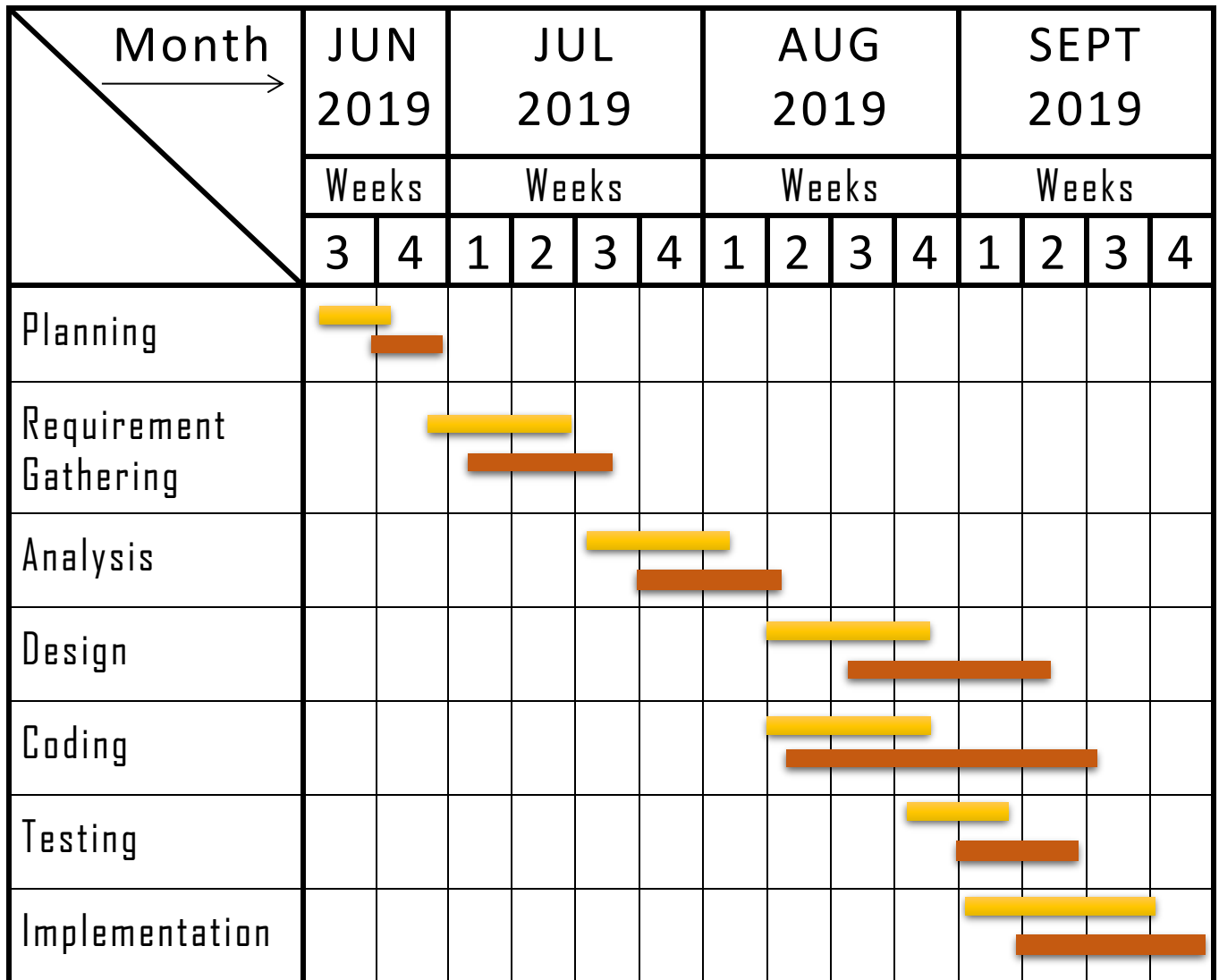
Advantages of the Waterfall Model

- The advantage of waterfall development is that it allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development process model phases one by one.
- The waterfall model progresses through easily understandable and explainable phases and thus it is easy to use.
- It is easy to manage due to the rigidity of the model – each phase has specific deliverables and a review process.
- In this model, phases are processed and completed one at a time and they do not overlap. Waterfall model works well for smaller projects where requirements are very well understood.

Disadvantages of Waterfall Model

- It is difficult to estimate time and cost for each phase of the development process.
- Once an application is in the testing stage, it is very difficult to go back and change something that was not well-thought out in the concept stage.
- Not a good model for complex and object-oriented projects.
- Not suitable for the projects where requirements are at a moderate to high risk of changing.

1.8 GANTT CHART

Planning: ▬▬▬
Execution: ▬▬▬

Month →	JUN 2019		JUL 2019				AUG 2019				SEPT 2019			
	Weeks		Weeks				Weeks				Weeks			
	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Planning	▬	▬												
Requirement Gathering			▬	▬										
Analysis					▬	▬								
Design							▬	▬	▬					
Coding							▬	▬	▬	▬				
Testing										▬	▬			
Implementation											▬	▬	▬	

2. SYSTEM ANALYSIS

What is System Analysis?

System analysis is the process of examining a business situation for the purpose of developing a system solution to a problem or devising improvements to such a situation. Before the development of any system can begin, a project proposal is prepared by the users of the potential system and/or by systems analysts and submitted to an appropriate managerial structure within the organization.

Assuming that a new system is to be developed, the next phase is a system analysis. Analysis involved a detailed study of the current system, leading to specifications of a new system. Analysis is a detailed study of various operations performed by a system and their relationship with in and outside the system. During analysis, data are collected on the available files, decision points and transactions handled by the present system. Interviews, on-site observation and questionnaire are the tools used for system analysis. Using the following step it becomes easy to draw the exact boundary of the new system under consideration:

Keeping in view the problems and new requirements workout the pros and cons including new areas of the system.

All procedures, requirement must be analysed and documented in the form of detailed data flow diagrams, data dictionary, logical data structures and miniature specifications. System analysis also includes sub-dividing of complex process involving the entire system, identifiers of data stores and manual processes.

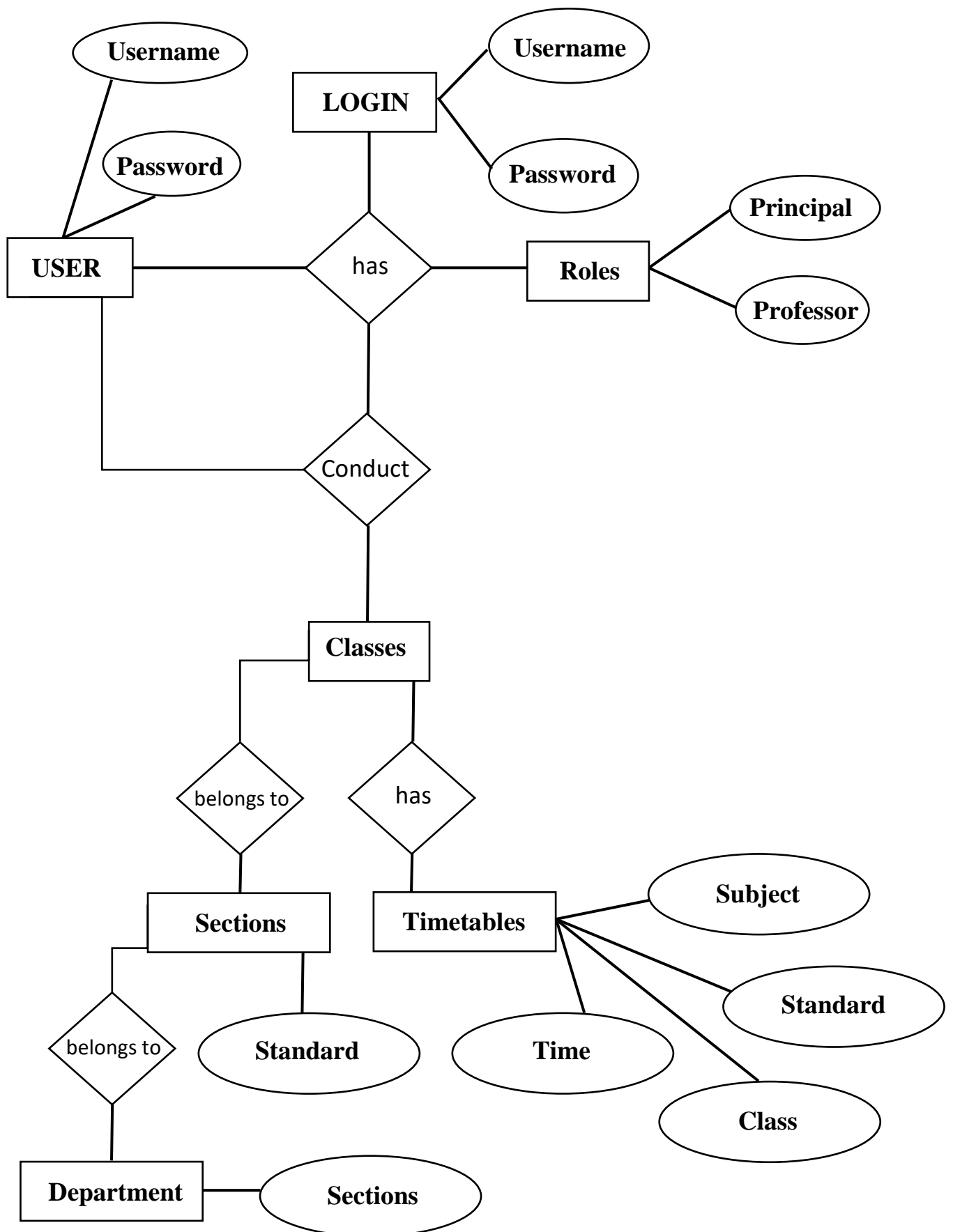The main points to be discussed in system analysis are:

Specification of what the new system is to accomplish based on the user requirements.

Functional hierarchy showing the function to be performed by the new system and their relationship with each other.
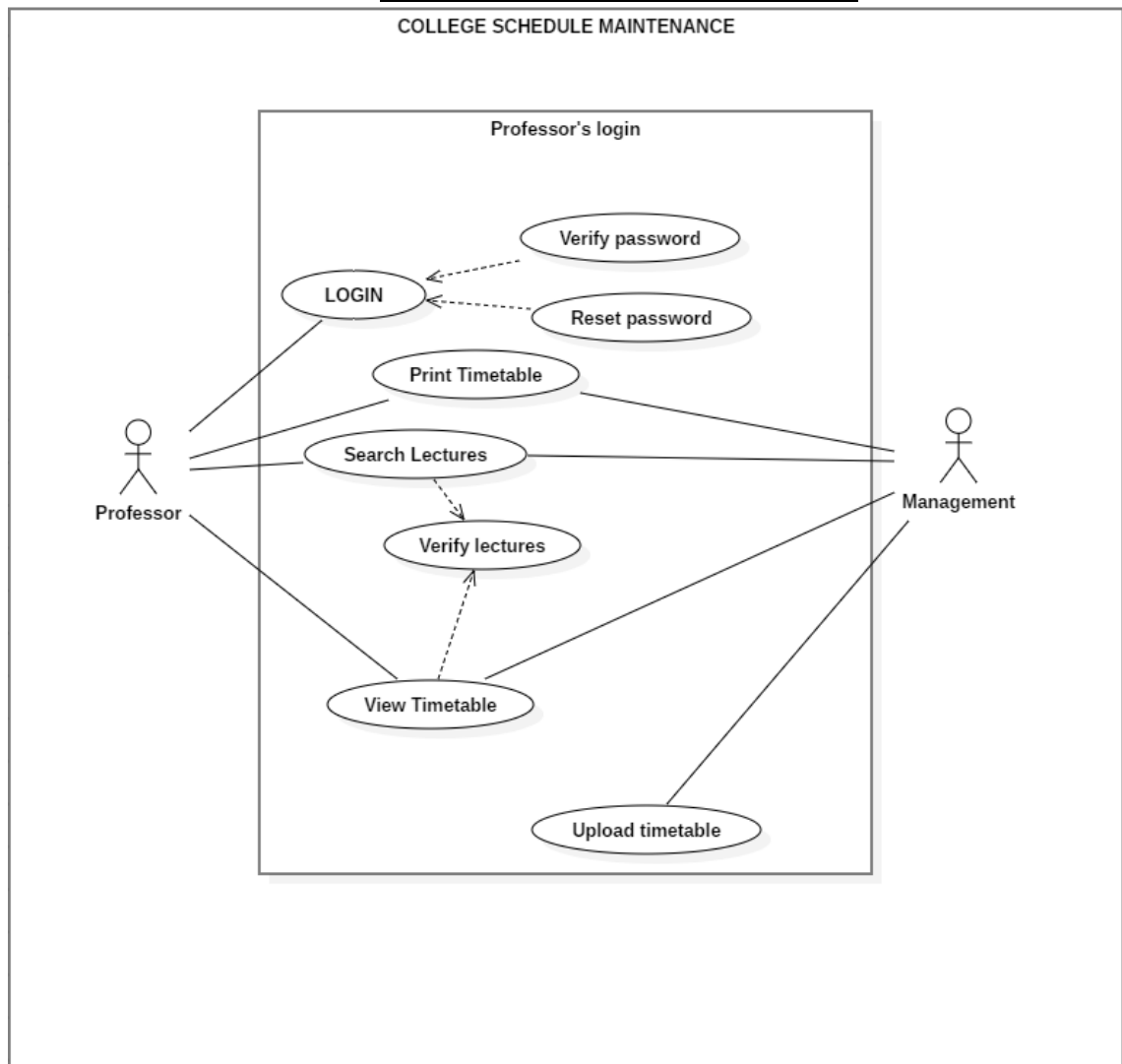
Function network which are similar to function hierarchy but they highlight those functions which are common to more than one procedure.
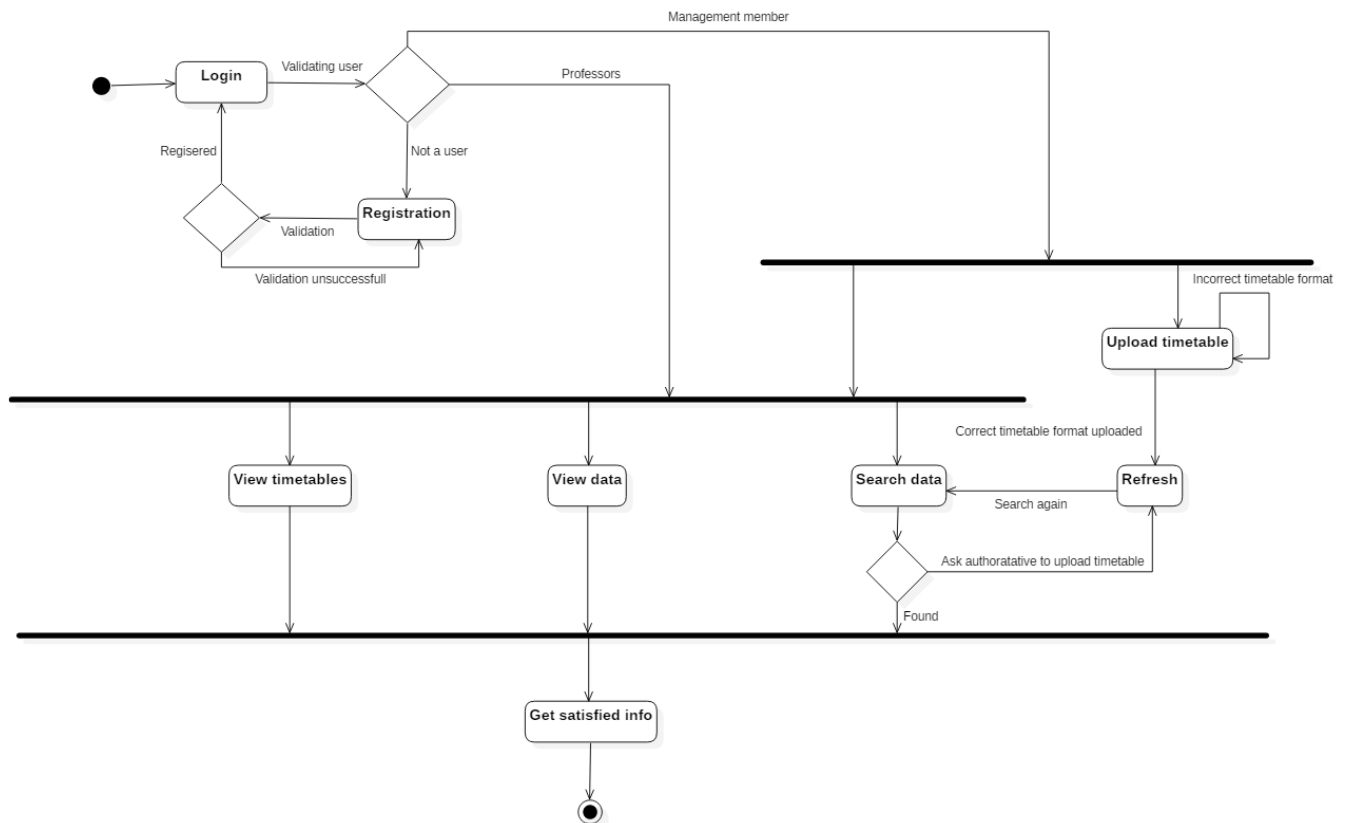
2.1 ENTITY RELATIONSHIP DIAGRAM

2.2 USE CASE DIAGRAM

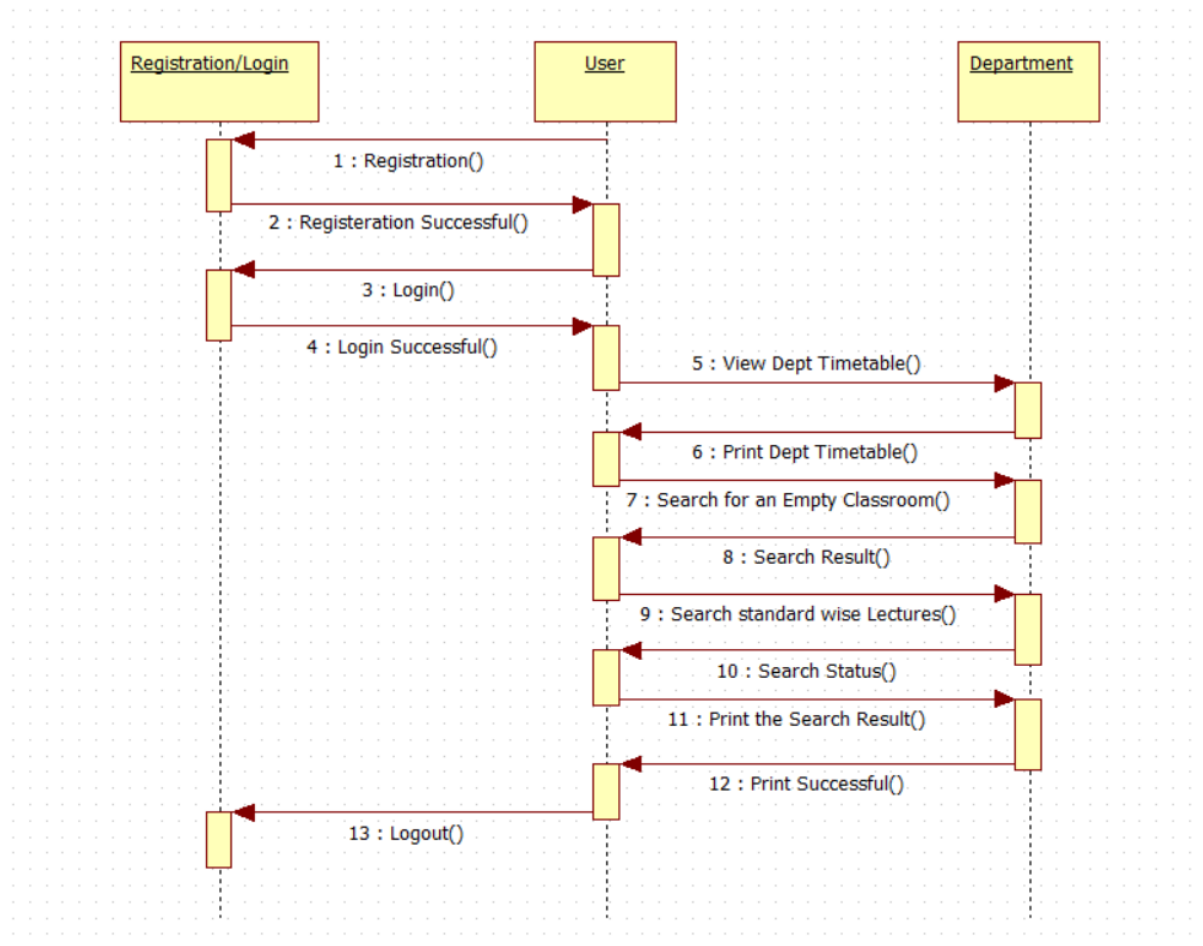COLLEGE SCHEDULE MAINTENANCE

Professor's login

Verify password

LOGIN

Reset password

Print Timetable

Search Lectures

Verify lectures

View Timetable
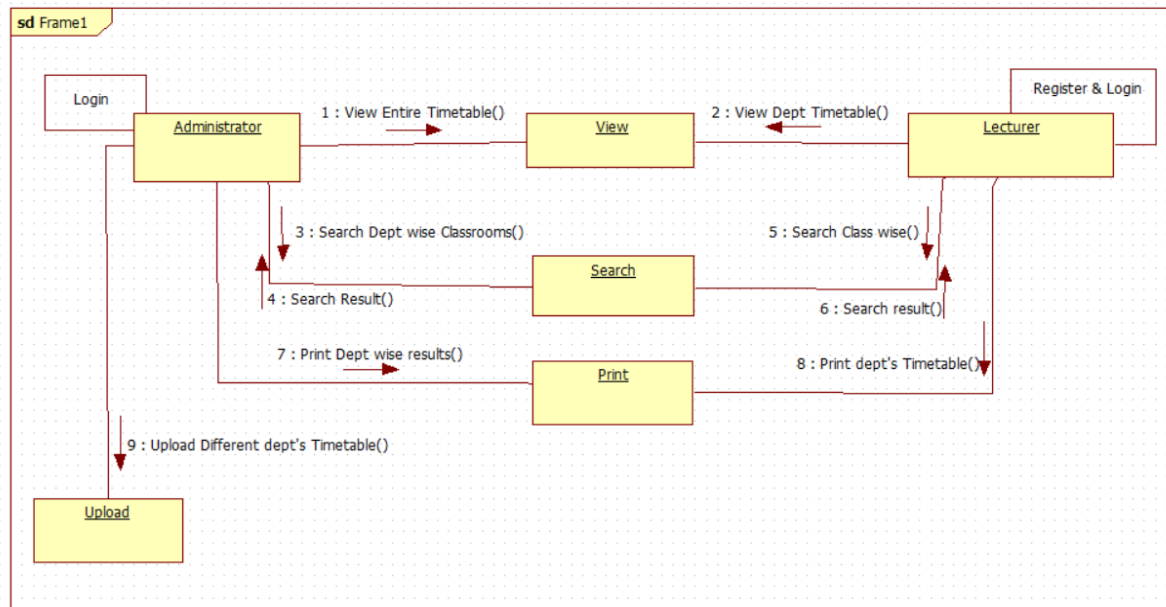
Upload timetable

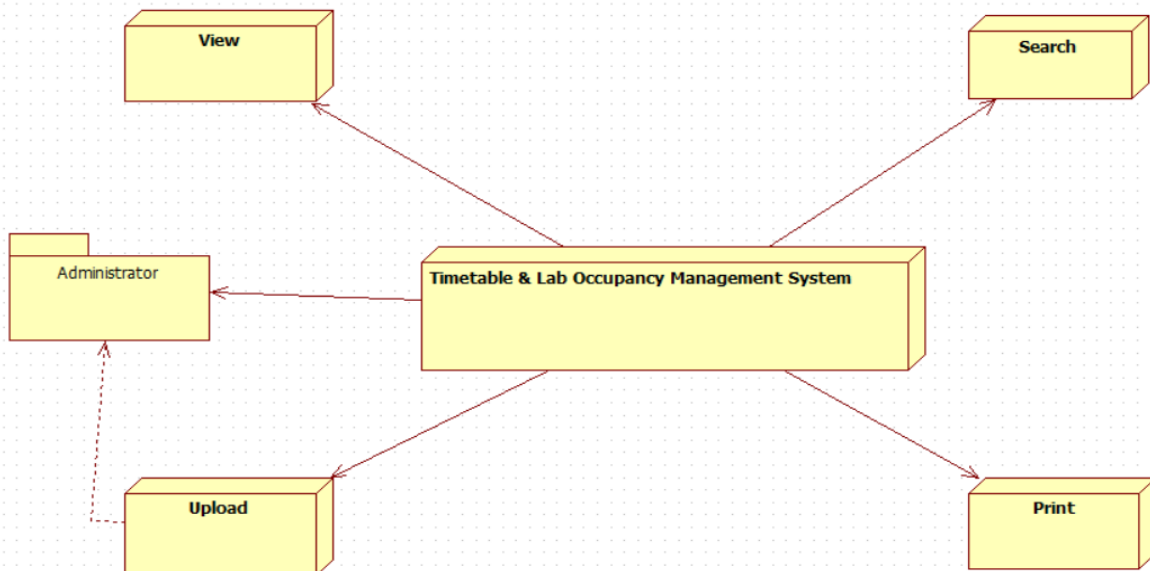Professor

Management

2.3 <u>ACTIVITY DIAGRAM</u>

2.4 SEQUENCE DIAGRAM

2.5 DATAFLOW DIAGRAM

2.6 DEPLOYMENT DIAGRAM

2.7 __DATABASE__

accounts.json

Each user's data is added in below format.
```
[{"name":"","username":"","section":"","dept":"","email":"","pass":""}]
```

sections.json

College's departments and their sections can be added by editing this file.
```
{"Junior":["Science","Commerce","Arts"],"Aided":["Bsc","Bcom","Ba"],"PNG":["BM
S","BBI","BAF","BMM","BSc IT-CS"],"CTES":["ctes1"]}
```

Timetable uploaded in excel format by the authoritative.

Admin's may upload timetable data to server for each section in this format.

	class name	class name	…
07:30 AM	Standard/subject/professor	…	…
08:20 AM	Standard/subject/professor	…	…
09:25 AM	Standard/subject/professor	…	…
10:15 AM	Standard/subject/professor	…	…
11:05 AM	Standard/subject/professor	…	…
11:55 AM	Standard/subject/professor	…	…
12:45 PM	Standard/subject/professor	…	…
01:35 PM	Standard/subject/professor	…	…
02:25 PM	Standard/subject/professor	…	…
03:25 PM	Standard/subject/professor	…	…
04:15 PM	Standard/subject/professor	…	…
05:05 PM	Standard/subject/professor	…	…

The timings are static they must be added in this format only

3. SYSTEM DESIGN

3.1 <u>SYSTEM DESIGN</u>

What is systems design?

Systems design is simply the design of systems. It implies a systematic and rigorous approach to design—an approach demanded by the scale and complexity of many systems problems.

Where did it come from?

Systems design first appeared shortly before World War II as engineers grappled with complex communications and control problems. They formalized their work in the new disciplines of information theory, operations research, and cybernetics. In the 1960s, members of the design methods movement (especially Horst Rittel and others at Ulm and Berkeley) transferred this knowledge to the design world. Systems design continues to flourish at schools interested in design planning and within the world of computer science. Among its most important legacies is a research field known as design rationale, which concerns systems for making and documenting design decisions.

What can designers learn from systems design?

Today, ideas from design methods and systems design may be more relevant to designers than ever before—as more and more designers collaborate on designing software and complex information spaces. Frameworks suggested by systems design are especially useful in modeling interaction and conversation. They are also useful in modeling the design process itself.

What is the most important thing to be aware of in systems design?

A systems approach to design asks:

For this situation, what is the system?

What is the environment?

What goal does the system have in relation to its environment?

What is the feedback loop by which the system corrects its actions?

How does the system measure whether it has achieved its goal?

Who defines the system, environment, goal, etc.—and monitors it?

What resources does the system have for maintaining the relationship it desires?

Are its resources sufficient to meet its purpose?

Is systems design incompatible with user-centered design?

A systems approach to design is entirely compatible with a user-centered approach. Indeed, the core of both approaches is understanding user goals. A

25

systems approach looks at users in relation to a context and in terms of their interaction with devices, with each other, and with themselves.

What is the relationship between systems design and cybernetics?

Cybernetics (the science of feedback) provides an approach to systems and a set of frameworks and tools. Among the most important ideas for designers: Definition of a system depends on point of view.

We are responsible for our actions.

All interaction is a form of conversation

All conversation involves goals, understandings, and agreement.

Are there times when systems design isn't appropriate?

A systems approach to design is most appropriate for projects involving large systems or systems of systems. Such projects typically involve many people, from many disciplines, working together over an extended period of time. They need tools to cope with their project's complexity: to define goals, facilitate communications, and manage processes. Solo designers working on small projects may find the same tools a bit cumbersome for their needs.

3.2 PROJECT LAYOUT

PROJECT PLAN:

The Project Plan (sometimes called project initiation document or project scoping report) is produced by the Project Manager following a brief Scoping Project Study. It should establish:

What the project is to achieve

A detailed time schedule for carrying out the project

Details of the resources required - people, money, sections

Who is to be involved in the project?

What the risks and implementation issues are.

A typical format is given below. As you may notice, the first five items (Part A) focus on what the project is to achieve whilst the last four items (Part B) go into more depth about how the project should be carried out.

Project Plan

Part A

1. Title of project,

2. Background to the Project

3. Terms of Reference & Key Objectives

4. Benefits & Costs Analysis

5. Risk Assessment

Part B

6. Resources likely to be needed

7. Costs

8. Proposed Project Organisation

9. Time Schedule

Project Plan

Part A

1. Title of project,

Together with the names of the Project Manager and Project Sponsor.

2. Background to the Project

A brief description of the background to the project including how the project came about, what the project is about, why we are undertaking the project, and what in very broad terms the outcome of the project will be to the organization.

3. Terms of Reference & Key Objectives

First, a brief overall definition and description of the project and its aims including some reference to likely timescales, budget and resources, and what the project will aim to deliver. Then a statement of what the project is to deliver - the key objectives. The latter is often done as a listing the main stakeholders of the project with a statement for each of what the project will aim to deliver to them.

4. Benefits & Costs Analysis

A brief statement of the main benefits to be gained from undertaking this project and the main costs which will be incurred and which need to be controlled and contained. Not necessarily a full cost-benefit analysis but a brief overview.

5. Risk Assessment

The main risks - implementation issues which may delay the project. The priority items should be identified with suggestions as to how they could be averted or their impact lessened.

One of the simplest and best ways of doing this is to create a 'risk register' identifying all the events that could cause problems for the project, and then

mapping these onto a Hi-Lo diagram.

Part B

6. Resources likely to be needed

The resources, money and peoples time, which the project manager will need to carry out this project.

7. Costs

A good estimate of overall costs to be incurred and the required budget.

8. Proposed Project Organization

A description of the overall project organisation, in particular the project manager, project sponsor (individual or group), team members if any, key contributors (IT, stats, etc).

Also, if the project warrants project review meetings, when they should take place and who should be involved.

9. Time Schedule

A time plan showing the key activities which need to take place and estimates of when the activity needs to be carried out, with key milestone dates.

Best done with one of the planning techniques - Gantt Charts, Milestone Plans, Stages Diagram, or even Critical Path Analysis if the project warrants it.

4. SYSTEM LAYOUT AND SYSTEM CODING.

4.1 <u>SYSTEM LAYOUT</u>

Login Page

Registration Page

Admin Login(HOD, Principal, Management member)

Viewing other departments sections.
e.g. Junior

Searching lectures by date, time and department sections.

On click the print icon on right. Results are printed as.

Uploading the excel file timetable in the give format on Pg.21.

- Select the section from drop down of the department it belongs, e.g. Science from Junior department.
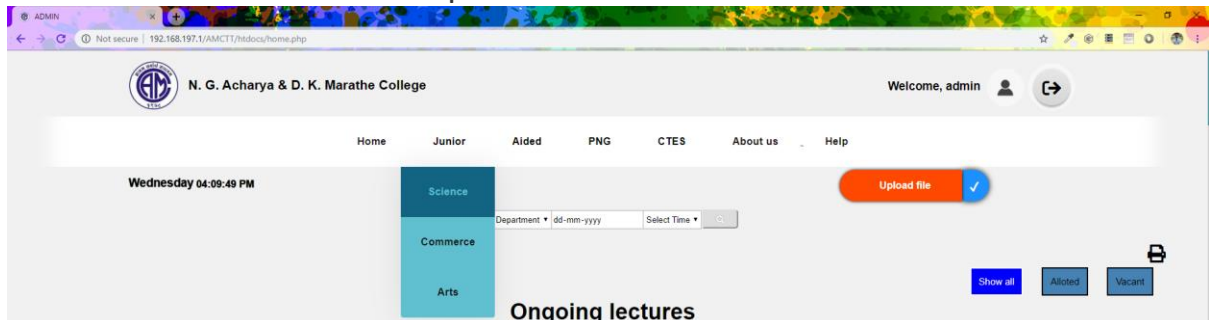
- Now the path is set to upload file.
- Click on **Upload file** ✓ button to select the file and upload it by clicking tick.

User Login(Professors)

4.2 <u>SYSTEM CODING</u>

get_data.php

```php
<?php
require '../vendor/autoload.php';
class Sweets
{
        protected $path;
        protected $highestColumnIndex;
        protected $rooms = [];
        protected $class_data = [];
        function path_values()
        {
                echo '<h3 align="center" style="font-size:30px;">'.basename($this->path,'.xlsx').'</h3>';


        }
        function read_xlsx_row()
        {
                $card='';
                for ($j=1; $j < $this->highestColumnIndex-1; $j++) {
                        $room_data='';
                        print($room_data);
                        if (isset($this->rooms[$j])) {
                                    $room_data=explode('/',$this->rooms[$j]);
                                if (!empty($room_data[0])) {
                                        $card.='<div class="card-des-allot allot">';
                                        $card.='<center><h3>'.$this->class_data[$j].'</h3></center>';
                                        $card.='<center><h3 class="ong-data">'.$room_data[0];
                                }
                                else {
                                        $card.='<div class="card-des-vac vac">';
                                        $card.='<center><h3>'.$this->class_data[$j].'</h3></center>';
```

```php
                                $card.='<center><h3>N/A | ';
                        }
                        if (isset($room_data[1])) {
                                $card.=' | '.$room_data[1].'</h3></center>';
                        }
                        else{
                                $card.='N/A</h3></center>';
                        }
                        if (isset($room_data[2])) {

$card.='<center><h3>'.$room_data[2].'</h3></center>';
                        }
                        else {
                                $card.='<center><h3>N/A</h3></center>';
                        }

                        $card.='</div>';
                }
        }
        $card.='';
        echo $card;

}
function teach_list(){
        $room_data='';
        for ($t=1; $t < $this->highestColumnIndex ; $t++) {
                $room_data = '';
                if(isset($this->rooms[$j])){
                        $room_data = explode('/',$this->rooms[$t]);
                        print_r($room_data);
                }
        }
}
function set_sweet($highestColumnIndex,$rooms,$class_data,$path)
{
        $this->highestColumnIndex = $highestColumnIndex;
        $this->class_data = $class_data;
        $this->rooms = $rooms;
```

```php
            $this->path = $path;
        }

}
$sweet = new Sweets;
$dir_iter = new RecursiveDirectoryIterator('../Src/Sections');
$iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
global $files;
foreach ($iter as $file) {
    if (is_file($file)) {
        $files[] = $file;
    }
}
for ($j=0; $j < count($files); $j++) {
    $files[$j] = str_replace('\\', '/', $files[$j]);
}

$day =date('l');
if($day == 'Sunday'){
        echo '<h3>Enjoy today\'s holiday</h3>';
}
else{
        for ($k=0; $k < count($files); $k++) {
                $read_xlsx_row =
\PhpOffice\PhpSpreadsheet\IOFactory::load($files[$k])-
>getSheetByName($day);
                $xlsdata = $read_xlsx_row->toArray(null,true,true,true);
                $reader =
\PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
                $spreadsheet = $reader->load($files[$k]);
                $worksheet= $spreadsheet->getSheetByName($day);
                $highrow = $worksheet->getHighestDataRow();
                $highestRow;
                for ($i=2; $i <=$highrow; $i++) {
                $cellC1 = $worksheet->getCell('A'.$i)->getValue();
                if (empty($cellC1)) {
```

```php
                $highestRow = $i;
                break;
            }
            else{
                $highestRow = $i;
            }
            }
            $highColumn = $worksheet->getHighestDataColumn();
            for ($i='B'; $i < $highColumn; $i++) {
            $cellC1 = $worksheet->getCell($i.'1')->getValue();
            if (empty($cellC1)) {
                $Column_alpha
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i)-1;
                $highestColumn
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Colu
mn_alpha);
                break;
            }
            else{
                $highestColumn = $i;
            }
            }
            $xls_data = [];
            for ($j=1;$j <=$highestRow; $j++) {
                array_push($xls_data,$worksheet-
>rangeToArray('A'.$j.':'.$highestColumn.$j));
            }
            $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highes
tColumn)+1;

            $calc = $worksheet->getRowDimensions();

            $timeData='';
            for ($i=2; $i <= $highestRow ; $i++) {
                $timeData.='/'.$xlsdata[$i]['A'];
            }
```

```php
$split_data= explode("/", $timeData);
$hour='';
for ($i=1; $i < $highestRow ; $i++) {
        $hour.='/'.date('H',strtotime($split_data[$i]));
}
$splithour= explode("/", $hour);
$min='';
for ($i=1; $i < $highestRow ; $i++) {
        $min.='/'.date('i',strtotime($split_data[$i]));
}
$splitmin= explode("/", $min);
date_default_timezone_set('Asia/Kolkata');
$now = new DateTime();
$now->getTimeStamp();
$time= new DateTime();
$t24='';
$passedLec='';
$ongoLec='';
for ($i=1; $i < $highestRow ; $i++) {
        (int) $h=$splithour[$i];
        (int) $m=$splitmin[$i];
$t24.=$splithour[$i].':'.$splitmin[$i].'/';
if ($now <= $time->setTime($h,$m)){
        $ongoLec.=$splithour[$i].':'.$splitmin[$i].'/';
        }
        else{
        $passedLec.=$splithour[$i].':'.$splitmin[$i].'/';
        }
}
$splitt24=explode("/",$t24);
$split_passedLec=explode("/",$passedLec);
$passLec=array_reverse($split_passedLec);
$row_data=count($passLec);

$show_data='';
$class_data='';
for ($i=2; $i < $highestColumnIndex ; $i++) {
```

```php
                    $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i,1)->getValue();
                    $class_data.='$'.$classValue;

                if ($row_data!=1) {
                    $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i,$row_data)->getValue();
                    $show_data.='$'.$cellValue;
                }
            }
            $rooms=explode('$',$show_data);
            $show_room=explode("$",$class_data);
            $splitt24=explode("/",$t24);
            $split_passedLec=explode("/",$passedLec);
            $passLec=array_reverse($split_passedLec);
            $row_data=count($passLec);
            $sweet-
>set_sweet($highestColumnIndex,$rooms,$show_room,$files[$k]);
            $sweet->path_values();
            $sweet->read_xlsx_row();
        }
}
?>
```

class.php

```php
<?php
$day = 'Monday';
require '../vendor/autoload.php';
$xls_data = \PhpOffice\PhpSpreadsheet\IOFactory::load($fxls)-
>getSheetByName($day)->toArray(null, true, true, true);
$nr = count($xls_data);
$reader = \PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
$spreadsheet = $reader->load($fxls);
$worksheet = $spreadsheet->getSheetByName($day);
$highrow = $worksheet->getHighestDataRow();
$highestRow;
for ($i = 2; $i <= $highrow; $i++) {
    $cellC1 = $worksheet->getCell('A' . $i)->getValue();
```

```php
      if (empty($cellC1)) {
        $highestRow = $i;
        break;
      } else {
        $highestRow = $i;
      }
  }
  $highColumn = $worksheet->getHighestDataColumn();
  for ($i = 'B'; $i < $highColumn; $i++) {
    $cellC1 = $worksheet->getCell($i . '1')->getValue();
    if (empty($cellC1)) {
      $Column_alpha =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i) - 1;
      $highestColumn =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Column_alpha);
      break;
    } else {
      $highestColumn = $i;
    }
  }
  $xls_data = [];
  for ($j = 1; $j <= $highestRow; $j++) {
    array_push($xls_data, $worksheet->rangeToArray('A' . $j . ':' .
$highestColumn . $j));
  }
  $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highestColumn);
  $timeData = '';
  for ($i = 1; $i < $highestRow; $i++) {
    $timeData .= '/' . $xls_data[$i][0][0];
  }
  $split_data = explode("/", $timeData);
  $hour = '';
  for ($i = 1; $i < $highestRow; $i++) {
    $hour .= '/' . date('H', strtotime($split_data[$i]));
```

```php
}
$splithour = explode("/", $hour);
$min = '';
for ($i = 1; $i < $highestRow; $i++) {
   $min .= '/' . date('i', strtotime($split_data[$i]));
}
$splitmin = explode("/", $min);
date_default_timezone_set('Asia/Kolkata');
$now = new DateTime();
$now->setTime(9, 50);
$time = new DateTime();
$t24 = '';
$passedLec = '';
$ongoLec = '';
for ($i = 1; $i < $highestRow; $i++) {
   (int) $h = $splithour[$i];
   (int) $m = $splitmin[$i];
   $t24 .= $splithour[$i] . ':' . $splitmin[$i] . '/';
   if ($now <= $time->setTime($h, $m)) {
      $ongoLec .= $splithour[$i] . ':' . $splitmin[$i] . '/';
   } else {
      $passedLec .= $splithour[$i] . ':' . $splitmin[$i] . '/';
   }
}
$splitt24 = explode("/", $t24);
$split_passedLec = explode("/", $passedLec);
$passLec = array_reverse($split_passedLec);
$row_data = count($passLec);
function lectures($row_data, $highestColumnIndex, $spreadsheet, $day)
{
   $show_data = '';
   $class_data = '';
   for ($i = 2; $i < $highestColumnIndex; $i++) {
      $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, 1)->getValue();
      $class_data .= '$' . $classValue;
```

```php
    $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, $row_data)->getValue();
    $show_data .= '$' . $cellValue;
  }
  $rooms = explode('$', $show_data);
  $show_room = explode("$", $class_data);
  $card = '';
  for ($j = 1; $j < $highestColumnIndex - 1; $j++) {
    $room_data = '';
    $room_data = explode('/', $rooms[$j]);
    if (!empty($room_data[0])) {
      $card .= '<div style="height:auto;width:200px;display:inline-
block;"class="card-des-allot">';
      $card .= '<center><h3>' . $show_room[$j] . '</h3></center>';
      $card .= '<center><h3 class="ong-data">' . $room_data[0];
    } else {
      $card .= '<div style="height:auto;width:200px;display:inline-
block;"class="card-des-vac">';
      $card .= '<center><h3>' . $show_room[$j] . '</h3></center>';
      $card .= '<center><h3>N/A | ';
    }
    if (isset($room_data[1])) {
      $card .= ' | ' . $room_data[1] . '</h3></center>';
    } else {
      $card .= 'N/A</h3></center>';
    }
    if (isset($room_data[2])) {
      $card .= '<center><h3>' . $room_data[2] . '</h3></center>';
    } else {
      $card .= '<center><h3>N/A</h3></center>';
    }
    $card .= '</div>';

  }
  $card .= '';
  echo $card;
}
```

```php
function data_Table($xls_data, $highestRow)
{
    $html_tb = '<table class="table_des main-table"><thead><tr><th
class="head fixed-side" scope="col">';
    $html_tb .= implode('</th><th class="head" colspan = 3>', $xls_data[0][0]) .
'</th></tr></thead><tbody>';
    for ($i = 1; $i < $highestRow; $i++) {
        $dt = implode('/', $xls_data[$i][0]);
        $dt .= '/';
        $dst = explode('/', $dt);
        $html_tb .= '<tr><td class="fixed-side">' . $dst[0] . '</td>';
        for ($j = 1; $j < count($dst) - 1; $j++) {

            if (!empty($dst[$j]) && !empty($dst[$j + 1]) && !empty($dst[$j + 2])) {
                $html_tb .= '<td class="std ' . $dst[$j] . '">' . $dst[$j] . '</td><td
class="subj ' . $dst[$j + 1] . '">' . $dst[$j + 1] . '</td><td class="teacher ' . $dst[$j
+ 2] . '">' . $dst[$j + 2] . '</td>';
                $j = $j + 2;
            } else {
                $html_tb .= '<td colspan = "3" class="blank"></td>';
            }
        }
    }
    $html_tb .= '</tr></tbody></table>';
    echo $html_tb;
}
?>
```

upcom_lect.php

```php
<?php
require '../vendor/autoload.php';
class Snacks
{
    protected $path;
    protected $highestColumnIndex;
    protected $rooms = [];
    protected $class_data = [];
    function path_values()
```

```php
        {
                echo '<h3 align="center" style="font-
size:30px;">'.basename($this->path,'.xlsx').'</h3>';
        }
        function read_xlsx_rows()
        {
                $card='';
                for ($j=1; $j < $this->highestColumnIndex-1; $j++) {
                        $room_data='';
                        if (isset($this->rooms[$j])) {
                                $room_data=explode('/',$this->rooms[$j]);
                                if (!empty($room_data[0])) {
                                        $card.='<div class="card-des-allot allot">';
                                        $card.='<center><h3>'.$this-
>class_data[$j].'</h3></center>';
                                        $card.='<center><h3 class="ong-
data">'.$room_data[0];
                                }
                                else {
                                        $card.='<div class="card-des-vac vac">';
                                        $card.='<center><h3>'.$this-
>class_data[$j].'</h3></center>';
                                        $card.='<center><h3>N/A | ';
                                }
                                if (isset($room_data[1])) {
                                        $card.=' | '.$room_data[1].'</h3></center>';
                                }
                                else{
                                        $card.='N/A</h3></center>';
                                }
                                if (isset($room_data[2])) {

        $card.='<center><h3>'.$room_data[2].'</h3></center>';
                                }
                                else {
                                        $card.='<center><h3>N/A</h3></center>';
                                }
```

```php
                            $card.='</div>';
                    }
            }
            $card.='';
            echo $card;

    }
    function teach_list()
    {
            $lst='';
            $lst.='<select>';
            for ($j=1; $j < $this->highestColumnIndex-1; $j++) {
                    $room_data='';
                    if (isset($this->rooms[$j])) {
                            $room_data=explode('/',$this->rooms[$j]);
                            if (isset($room_data[2])) {
                                    $lst.='<option>'.$room_data[2].'</option>';
                            }
                    }
            }
            echo $lst.='</select>';
    }

    function set_sweet($highestColumnIndex,$rooms,$class_data,$path)
    {
            $this->highestColumnIndex = $highestColumnIndex;
            $this->class_data = $class_data;
            $this->rooms = $rooms;
            $this->path = $path;
    }

}
$snack = new Snacks;
$day = date('l');
if($day == 'Sunday'){
    echo '<h3>Enjoy today\'s holiday</h3>';
}
```

```php
else{
        for ($k=0; $k < count($files); $k++) {
        $read_xlsx_row =
\PhpOffice\PhpSpreadsheet\IOFactory::load($files[$k])-
>getSheetByName($day);
        $xlsdata = $read_xlsx_row->toArray(null,true,true,true);
        $reader = \PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
        $spreadsheet = $reader->load($files[$k]);
        $worksheet= $spreadsheet->getSheetByName($day);
        $highrow = $worksheet->getHighestDataRow();
            $highestRow;
            for ($i=2; $i <=$highrow; $i++) {
            $cellC1 = $worksheet->getCell('A'.$i)->getValue();
            if (empty($cellC1)) {
                    $highestRow = $i;
                    break;
            }
            else{
                    $highestRow = $i;
            }
            }
            $highColumn = $worksheet->getHighestDataColumn();
            for ($i='B'; $i < $highColumn; $i++) {
            $cellC1 = $worksheet->getCell($i.'1')->getValue();
            if (empty($cellC1)) {
                    $Column_alpha
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i)-1;
                    $highestColumn
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Colu
mn_alpha);
                    break;
            }
            else{
                    $highestColumn = $i;
            }
            }
            $xls_data = [];
```

```php
                for ($j=1;$j <=$highestRow; $j++) {
                        array_push($xls_data,$worksheet-
>rangeToArray('A'.$j.':'.$highestColumn.$j));
                }
                $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highes
tColumn)+1;
                $calc = $worksheet->getRowDimensions();
        $timeData='';
        for ($i=2; $i <= $highestRow ; $i++) {
        $timeData.='/'.$xlsdata[$i]['A'];
        }
        $split_data= explode("/", $timeData);
        $hour='';
        for ($i=1; $i < $highestRow ; $i++) {
                $hour.='/'.date('H',strtotime($split_data[$i]));
        }
        $splithour= explode("/", $hour);
        $min='';
        for ($i=1; $i < $highestRow ; $i++) {
                $min.='/'.date('i',strtotime($split_data[$i]));
        }
        $splitmin= explode("/", $min);
        date_default_timezone_set('Asia/Kolkata');
        $now = new DateTime();
        $now->getTimeStamp();

        $time= new DateTime();
        $t24='';
        $passedLec='';
        $ongoLec='';
        for ($i=1; $i < $highestRow ; $i++) {
                (int) $h=$splithour[$i];
                (int) $m=$splitmin[$i];
        $t24.=$splithour[$i].':'.$splitmin[$i].'/';
        if ($now <= $time->setTime($h,$m)){
                $ongoLec.=$splithour[$i].':'.$splitmin[$i].'/';
```

```php
            }
            else{
            $passedLec.=$splithour[$i].':'.$splitmin[$i].'/';
            }
        }
    $splitt24=explode("/",$t24);
    $split_passedLec=explode("/",$passedLec);
    $passLec=array_reverse($split_passedLec);
    $row_data=count($passLec)+1;
    $show_data='';
    $class_data='';
    for ($i=2; $i < $highestColumnIndex ; $i++) {
            $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i,1)->getValue();
            $class_data.='$'.$classValue;

            if ($row_data!=1) {
                    $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i,$row_data)->getValue();
                    $show_data.='$'.$cellValue;
            }
        }
    $rooms=explode('$',$show_data);
    $show_room=explode("$",$class_data);
    $splitt24=explode("/",$t24);
    $split_passedLec=explode("/",$passedLec);
    $passLec=array_reverse($split_passedLec);
    $row_data=count($passLec);
    $snack-
>set_sweet($highestColumnIndex,$rooms,$show_room,$files[$k]);
    $snack->path_values();
    $snack->read_xlsx_rows();
    }
}
?>
```

home.php

```php
<?php
```

```php
$page = $_SERVER['PHP_SELF'];
$sec = "";
?>
<html lang="en" dir="ltr">

<head>
  <meta charset="utf-8">
  <meta http-equiv="refresh" content="<?php echo $sec?>;URL='<?php echo
$page?>'">
  <link rel="icon" sizes="180x180" href="/AMCTT/Src/img/amclogo.png"
type="image/icon">
  <link rel="stylesheet/less" type="text/css"
href="/AMCTT/Design/designing.less">
  <script src="/AMCTT/Design/less.js" type="text/javascript"></script>
  <script>
   function openNav() {
    document.getElementById("mySidenav").style.width = "250px";
    document.getElementById("open").style.padding = "250px";
    document.getElementById("open").style.transition = "0.5s";
   }


   function closeNav() {
    document.getElementById("mySidenav").style.width = "0px";
    document.getElementById("open").style.padding = "0px";
    document.getElementById("open").style.transition = "0.5s";
   }
   function show_btn() {
    document.getElementById('print_btn').style.visibility="visible";
   }
   function user_panel(){
    document.getElementById('user_panel').style.display="block";
   }
  </script>
  <link rel="stylesheet" href="/AMCTT/Design/animate.css">
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:400,600&display=s
wap" rel="stylesheet">
```

```html
<script src="https://kit.fontawesome.com/accfcb4aff.js"></script>
   <title>ADMIN</title>
   <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scrip
t>
</head>

<body id="body">

   <header>
    <div class="amcname">
     <img class="amclogo" src="/AMCTT/src/img/amclogo.png">
     <h1>N. G. Acharya & D. K. Marathe College</h1>
    </div>
    <div id='profile'>
     <h3 class="wlc">Welcome, <?php session_start(); echo
$_SESSION['admin'];?></h3>
     <img src="../src/img/profile.png" id="prof_img" class="profile" alt="Profile
Pic" onclick="user_panel()">
     <a href="logout.php" class="btn">  <i class="fa fa-sign-out
icon-x"></i></a>
     <div id ="user_panel">
      <ul class="user_option">
        
       <li>Privacy</li>
       <li>Manage users</li>
       <li>Upload files</li>
       <hr>
       <li>Logout</li>
        
      </ul>
    </div>
     <script src="script.js"></script>
   </header>
   <div class="nav">

       <div class="menu-bg" id="menu-bg">
```

```php
            <ul class="nav_align" id="nav_align">
              <a>
                <li>Home</li>
              </a>
              <?php
              $products = json_decode(file_get_contents('Sections.json'), true);
              foreach ($products as $item => $sub_item) {
            ?>
              <a href='<?php print($item) ?>.php' style="text-
decoration:none;color:black;">
                  <li class="<?php echo strtolower($item); ?>">
                    <?php $path = '../Src/Sections/' . $item;
              error_reporting(E_ERROR | E_PARSE);
              if (!mkdir($path, 0777, true)) {
               error_reporting(E_ERROR | E_PARSE);
              } else {
               error_reporting(E_ERROR | E_PARSE);
              }
              echo $item;
            ?>
               </a>
               <ul class="drop0">
                 <?php foreach ($sub_item as $key) {?>
                 <a href="<?php echo '/AMCTT/htdocs/home.php?files=' . $item .
'/' . $key; ?>"
                     style="text-decoration:none;">
                     <li name="<?php echo strtolower($key); ?>">
                       <?php
                       $path_dept = '../Src/Sections/' . $item . '/' . $key;
                       echo $key;
                      ?>
                    </li>
                  </a>
                  <?php }     ?>
               </ul>
               </li>
               <?php }?>
```

```html
            <a href="About us.php">
              <li>About us</li>
            </a>
            <a href="Help.php">
              <li>Help</li>
            </a>
          </ul>
          <?php
            $loc = $_GET['files'];
            if(isset($_FILES['my_file'])){
              $errors= array();
              $file_name = $_FILES['my_file']['name'];
              $file_size =$_FILES['my_file']['size'];
              $file_tmp =$_FILES['my_file']['tmp_name'];
              $file_type=$_FILES['my_file']['type'];
             if(empty($errors)==true){

move_uploaded_file($file_tmp,"../Src/Sections/".$loc.'/'.$file_name);
              echo "Success";
             }else{
              print_r($errors);
             }
           }
          ?>
        </div>
      </div>
    <main style="display:flex;margin-top:5px;">
      <script>
      $(document).ready(
        function() {
          var show_time = 'time';
          show_t(show_time);
          setInterval(function() {
            show_t(show_time);
          }, 1000);
        });
```

```
function show_t(show_time) {
  $.ajax({
    url: "show_time_using_ajax.php",
    method: "post",
    data: {
      show_time: show_time
    },
    success: function(data) {
      $('#time').html(data);
    }
  })
}
function search_result(d1,d2,d3) {
  var req = new XMLHttpRequest();
  req.open("POST","../htdocs/card_search_result.php?")
}
function dept_search_teacher(data) {
    var req = new XMLHttpRequest();
    req.open("GET",
"../htdocs/search_teachers_from_department.php?dept=" + data, "true");
    req.send();

    req.onreadystatechange = function() {
      if (req.readyState == 4 && req.status == 200) {
        document.getElementById('prof').innerHTML =
req.responseText;
      }
    }

  }
</script>
<p id="time"></p>
<form method="POST" action='' enctype="multipart/form-data"
class="upload_btn">
  <input type="file" name="my_file" id="file_upload" />
  <label for="file_upload" id="upload">   Upload file</label>
  <input type="submit" id="submit" />
```

```html
            <label for="submit" class="sub" />
        </form>
        <p align="right" id="dept"></P>
    </main>
    <div id="mySidenav" class="sidenav">
        <a href="javascript:void(0)" class="closebtn"
onclick="closeNav()">&times;</a>
        <a href="#result">Search Result</a>
        <a href="#ongoing_lect">Ongoing Lectures</a>
        <?php
        $dir_iter = new RecursiveDirectoryIterator('../Src/Sections');
            $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
            $path = array();
            foreach ($iter as $file) {
                if (is_file($file)) {
                    $path[] = $file;
                }
            }
        ?>
        <a href="#upcom_lect">Upcoming Lectures</a>
    </div>
    <div id="bookmarks">
        <span style="font-size:30px;cursor:pointer" id="open"
onclick="openNav()"><i class="fas fa-bookmark"></i></span>
    </div>
    <div style="align:center;text-align:center;">
        <form method='post'>
            <select name="department" class="depart"
onchange='dept_search_teacher(this.value)'>
                <?php

            echo '<option>Select Department</option>';
            for ($j = 0; $j < count($path); $j++) {
                $path[$j] = str_replace('\\', '/', $path[$j]);
                echo '<option>'.$j.' - '.basename($path[$j],'.xlsx').'</a></option>';
             }
```

```php
        ?>
      </select>
      <input type="date" name="day" id="time_val">
      <select name="times" class="times">
        <option>Select Time</option>
        <option>07:30 AM</option>
        <option>08:20 AM</option>
        <option>09:25 AM</option>
        <option>10:15 AM</option>
        <option>11:05 AM</option>
        <option>11:55 AM</option>
        <option>12:45 PM</option>
        <option>01:35 PM</option>
        <option>02:25 PM</option>
        <option>03:25 PM</option>
        <option>04:15 PM</option>
        <option>05:05 PM</option>
      </select>
       <select id="prof">
        <option>Teacher's name </option>
       </select>
      <button type="submit" id="q" name="submit_btn"
onclick="show_btn()"><i class="fas fa-search"></i></button>
    </form>

    <div style="width:95%;padding:25px 2.5% 25px 2.5%;">
      <i class="fas fa-print" onclick="printDiv('result')" id="print_btn"></i>
      <div id="result" style="justify-contents:center;padding:0px 0px 2%;">
      <?php
       if (isset($_POST['submit_btn'])) {
        try{
         if (isset($_POST['day']) && isset($_POST['times']) &&
isset($_POST['department'])) {
            if($_POST['day'] == 'Sunday' || $_POST['times']=='Select Time'){

              throw new Exception();
            }
```

```php
        else {
         $date = $_POST['day'];
         $day = date("l", strtotime($date));
         $tm = $_POST['times'];
         // echo $tm;
         $data = $_POST['department'];
         $res = preg_replace("/[^0-9]/", "", $data );
         $dir_iter = new RecursiveDirectoryIterator('../Src/Sections');
         $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
         $path = array();
         foreach ($iter as $file) {
          if (is_file($file)) {
            $path[] = $file;
          }
         }

         for ($j = 0; $j < count($path); $j++) {
          $path[$j] = str_replace('\\', '/', $path[$j]);
         }
         $fxls = $path[$res];

         require '../vendor/autoload.php';
         if ($day == 'Sunday'){
          throw new Exception();
         }

         $xls_data = \PhpOffice\PhpSpreadsheet\IOFactory::load($fxls)-
>getSheetByName($day)->toArray(null, true, true, true);
         $nr = count($xls_data);
         $reader =
\PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
         $spreadsheet = $reader->load($fxls);
         $worksheet = $spreadsheet->getSheetByName($day);
         $highrow = $worksheet->getHighestDataRow();
         $highestRow;
         for ($i=2; $i <=$highrow; $i++) {
```

```php
            $cellC1 = $worksheet->getCell('A'.$i)->getValue();
            $cellVAl = $worksheet->getCell('A'.$i)->getFormattedValue();
            if (empty($cellC1)) {
             $highestRow = $i;
             break;
            } elseif ($cellVAl==$tm) {
             $row_data = $i;
            } else {
             $highestRow = $i;
            }
           }
          $highColumn = $worksheet->getHighestDataColumn();
          $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highCo
lumn);
           for ($i='B'; $i < $highColumn; $i++) {
            $cellC1 = $worksheet->getCell($i.'1')->getValue();
            if (empty($cellC1)) {
             $Column_alpha
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i)-1;
             $highestColumn
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Colu
mn_alpha);
             break;
            } else {
             $highestColumn = $i;
            }
           }
          $xls_data = [];
          for ($j=1;$j <=$highestRow; $j++) {
           array_push($xls_data, $worksheet-
>rangeToArray('A'.$j.':'.$highestColumn.$j));
          }

          function results($row_data, $highestColumnIndex, $spreadsheet,
$day){
           $show_data='';
```

```php
$class_data='';
for ($i=2; $i < $highestColumnIndex ; $i++) {
 $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, 1)->getValue();
 $class_data.='$'.$classValue;
 $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, $row_data)->getValue();
 $show_data.='$'.$cellValue;
}
$rooms=explode('$', $show_data);
$show_room=explode("$", $class_data);
$card='';
for ($j=1; $j < $highestColumnIndex-1 ; $j++) {
  $room_data='';
  $room_data=explode('/', $rooms[$j]);
  if (!empty($room_data[0])) {
   $card.='<div class="card-des-allot allot">';
   $card.='<center><h3>'.$show_room[$j].'</h3></center>';
   $card.='<center><h3 class="ong-data">'.$room_data[0];
  } else {
   $card.='<div class="card-des-vac vac">';
   $card.='<center><h3>'.$show_room[$j].'</h3></center>';
   $card.='<center><h3>N/A | ';
  }

  if (isset($room_data[1])) {
   $card.=' | '.$room_data[1].'</h3></center>';
  } else {
   $card.='N/A</h3></center>';
  }
  if (isset($room_data[2])) {
   $card.='<center><h3>'.$room_data[2].'</h3></center>';
  } else {
   $card.='<center><h3>N/A</h3></center>';
  }
  $card.='</div>';
 }
```

```php
                    $card.='';
                    echo $card;
                }
                if (empty($date) && isset($tm)) {
                  echo '<h3 class="up-title">Today\'s Search result at '.$tm.' is
:</h3>';
                    echo '<div
class="title"><center><h3>Class</h3></center><center><h3 class="ong-
data">Standard |
Subject</h3></center><center><h3>Proffessor</h3></center></div>';
                }
                else{
                  echo '<h3 class="up-title">Search Result of '.
basename($fxls,'.xlsx').' on '.$date.' '.$day.' at '.$tm.' is :</h3>';
                    echo '<div
class="title"><center><h3>Class</h3></center><center><h3 class="ong-
data">Standard |
Subject</h3></center><center><h3>Proffessor</h3></center></div>';


                }
                results($row_data, $highestColumnIndex, $spreadsheet, $day);

                }
            }


        }
        catch(Exception $e){
          echo "<h4
align='center'>        &nbsp
;          &nbsp
;          &nbsp
;          Please give a
proper search query</h4>";
        }
        }
        ?>
    </div>
```

```
<script type="text/javascript">
  function printDiv(divName) {
    var printContents =
document.getElementById(divName).innerHTML;
    var newWin = window.open('','Print-Window');
    newWin.document.open();
    newWin.document.write('<html><head><style>.title{display:
flex;background-color: darkcyan;margin-bottom: 5px;color: cornsilk;height:
auto;}.card-des-allot {display: flex;background-color: #3cb371;}.card-des-vac
{display: flex;background-color: #BE0018;}center {width: 200px;border: 1px
solid #000;}h3.up-title {text-align: center;}* {font-family: `Open Sans`, sans-
serif;}</style></head><body onload="window.print()" style="display:inline-
grid;justify-content:center;width:100%;">'+printContents+'</body></html>');
    newWin.document.close();
    setTimeout(function() {
      newWin.close();
    },0.01);
  }
</script>
<input type="radio" id="vac" name="color" />
<label for="vac" class="vac_btn">Vacant</label>
<input type="radio" id="allot" name="color" />
<label for="allot" class="allot_btn">Alloted</label>
<input type="radio" id="reset" name="color" checked />
<label for="reset" class="showall_btn">Show all</label>
<?php
echo '<div id="ongoing_lect"><h3 class="up-title"
name="ongoing_lect">Ongoing lectures</h3></div>';
include 'get_data.php';
echo '<h3 id="upcom_lect" name="upcom_lect">Upcoming
lectures</h3>';
include 'upcom_lectures.php';
?>
</div>
</div>
</body>
</html>
```

user.php

```html
<html lang="en" dir="ltr">
 <head>
  <meta charset="utf-8">
  <link rel="stylesheet/less" type="text/css"
href="/AMCTT/Design/designing.less">
  <script src="/AMCTT/Design/less.js" type="text/javascript"></script>
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:400,600&display=swap" rel="stylesheet">
  <link rel="icon" sizes="180x180" href="/AMCTT/Src/img/amclogo.png"
type="image/icon">
  <script src="https://kit.fontawesome.com/accfcb4aff.js"></script>
  <title><?php session_start(); echo $_SESSION['dep'].' -
'.$_SESSION['usernm'] ; ?></title>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.js"></script>
 </head>
 <body bgcolor="#f1f1f1">
  <header>
   <img class="amclogo" src="/AMCTT/src/img/amclogo.png">
   <h1>N. G. Acharya & D. K. Marathe College</h1>
   <h3 style="margin-left:30%;"> WELCOME, <?php echo
$_SESSION['usernm']; ?></h3>      
   <a href="logout.php" class="btn">  <i class="fa fa-sign-
out"></i></a>
  </header>
  <main>
   <script>
        $(document).ready(
      function(){
          var show_time='time';
    show_t(show_time);
    setInterval(function(){show_t(show_time);
      },1000);
     });
        function show_t(show_time){
```

```
    $.ajax({url:"show_time_using_ajax.php",method:"post",data:{show_tim
e:show_time},success:function(data){
    $('#time').html(data);
      }})
    }
      </script>
 <p align="center" id="time">
</main>
<div id="result">

</div>
<form id='search' method="post" align="center" action="">
 <input type="date" name="day" class="depart">
 <select name="times" class="times">
  <option>Select Time</option>
  <option>07:30 AM</option>
  <option>08:20 AM</option>
  <option>09:25 AM</option>
  <option>10:15 AM</option>
  <option>11:05 AM</option>
  <option>11:55 AM</option>
  <option>12:45 PM</option>
  <option>01:35 PM</option>
  <option>02:25 PM</option>
  <option>03:25 PM</option>
  <option>04:15 PM</option>
  <option>05:05 PM</option>
 </select>
 <button type="submit" value="search" id="usq" name="submit_btn"><i
class="fas fa-search"></i></button>
</form>
<script>
</script>
 <div id="result" style="width:80%;padding:5px 10%;">
  <?php
  if (isset($_POST['submit_btn'])) {
```

```php
try{
  if (isset($_POST['day']) && isset($_POST['times'])){
    if($_POST['day'] == 'Sunday' || $_POST['times']=='Select Time'){
      throw new Exception();
    }
    else {
      $date = $_POST['day'];
      $day = date("l", strtotime($date));
      $tm = $_POST['times'];
      $sectn = $_SESSION['sectn'];
      $dep = $_SESSION['dep'];
      $scan_file = array_diff(scandir('../Src/Sections/'.$sectn.'/'.$dep.'/'),
array('..', '.'));
      $fxls ='../Src/Sections/'.$sectn.'/'.$dep.'/'.$scan_file[2];
      require '../vendor/autoload.php';
      $xls_data = \PhpOffice\PhpSpreadsheet\IOFactory::load($fxls)-
>getSheetByName($day)->toArray(null, true, true, true);
      $nr = count($xls_data);
      $reader =
\PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
      $spreadsheet = $reader->load($fxls);
      $worksheet = $spreadsheet->getSheetByName($day);
      $highrow = $worksheet->getHighestDataRow();
      $highestRow;
      for ($i=2; $i <=$highrow; $i++) {
        $cellC1 = $worksheet->getCell('A'.$i)->getValue();
        $cellVAl = $worksheet->getCell('A'.$i)->getFormattedValue();
        if (empty($cellC1)) {
          $highestRow = $i;
          break;
        } elseif ($cellVAl==$tm) {
          $row_data = $i;
        } else {
          $highestRow = $i;
        }
      }
      $highColumn = $worksheet->getHighestDataColumn();
```

```php
        $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highCo
lumn);
        for ($i='B'; $i < $highColumn; $i++) {
         $cellC1 = $worksheet->getCell($i.'1')->getValue();
         if (empty($cellC1)) {
          $Column_alpha
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i)-1;
          $highestColumn
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Colu
mn_alpha);
           break;
         } else {
          $highestColumn = $i;
         }
        }
        $xls_data = [];
        for ($j=1;$j <=$highestRow; $j++) {
         array_push($xls_data, $worksheet-
>rangeToArray('A'.$j.':'.$highestColumn.$j));
        }
        function results($row_data, $highestColumnIndex, $spreadsheet,
$day){
         $show_data='';
         $class_data='';
         for ($i=2; $i < $highestColumnIndex ; $i++) {
          $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, 1)->getValue();
          $class_data.='$'.$classValue;
          $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, $row_data)->getValue();
          $show_data.='$'.$cellValue;
         }
         $rooms=explode('$', $show_data);
         $show_room=explode("$", $class_data);
         $card='';
         for ($j=1; $j < $highestColumnIndex-1 ; $j++) {
```

```php
            $room_data='';
            $room_data=explode('/', $rooms[$j]);
            if (!empty($room_data[0])) {
             $card.='<div style="height:auto;width:200px;display:inline-
block;"class="card-des-allot">';
             $card.='<center><h3>'.$show_room[$j].'</h3></center>';
             $card.='<center><h3 class="ong-data">'.$room_data[0];
            } else {
             $card.='<div style="height:auto;width:200px;display:inline-
block;"class="card-des-vac">';
             $card.='<center><h3>'.$show_room[$j].'</h3></center>';
             $card.='<center><h3>N/A | ';
            }
            if (isset($room_data[1])) {
             $card.=' | '.$room_data[1].'</h3></center>';
            } else {
             $card.='N/A</h3></center>';
            }
            if (isset($room_data[2])) {
             $card.='<center><h3>'.$room_data[2].'</h3></center>';
            } else {
             $card.='<center><h3>N/A</h3></center>';
            }
            $card.='</div>';
           }
           echo $card;
          }
         if (empty($date) && isset($tm)) {
          echo '<h3 class="up-title">Today\'s Search result at '.$tm.' is
:</h3>';
         }
         else{
          echo '<h3 class="up-title"> Search Result of '.$date.' '.$day.' on
'.$tm.' is :</h3>';
         }
         results($row_data, $highestColumnIndex, $spreadsheet, $day);
```

```php
                }
            }
        }
      catch(Exception $e){
        echo "<h4 align='center'>Please give a proper search query</h4>";
      }
    }
    ?>
  </div>
  <div style="width:80%;padding:5px 10%;">
    <?php

    $sectn = $_SESSION['sectn'];
    $dep = $_SESSION['dep'];
    $scan_file = array_diff(scandir('../Src/Sections/'.$sectn.'/'.$dep.'/'),
array('..', '.'));
      try {
        error_reporting(E_ERROR | E_PARSE);
        $locate='../Src/Sections/'.$sectn.'/'.$dep.'/'.$scan_file[2];
        error_reporting(E_ERROR | E_PARSE);
        function run_if_file_exists($location)
            {

              $day = date('l');
              $fxls = $location;
              require 'class.php';
              if ($row_data+1 > $highestRow) {
                echo 'Enough for today';
              }
              else {
                    echo '<h3 class="up-title">Ongoing lectures
    '.basename($location,'.xlsx').'</h3>';
                echo '<div class="ongo-div">';
                lectures($row_data,$highestColumnIndex,$spreadsheet,$day);
                echo '</div>';
                echo '<h3 class="up-title">Upcoming lectures
'.basename($location,'.xlsx').'</h3><div class="upco-div">';
```

```php
lectures($row_data+1,$highestColumnIndex,$spreadsheet,$day);
                echo '</div>';
                echo '<h3 class="up-title"> Time Table
'.basename($location,'.xlsx');
                echo '</h3></div>';
                data_Table($xls_data,$highestRow);
              }
            }


run_if_file_exists('../Src/Sections/'.$sectn.'/'.$dep.'/'.$scan_file[2]);
      }
      catch (Exception $th) {
        echo "<h4 align='center'>Time table not uploaded please ask your
authoratative to upload timetable in given format.</h4>";
      }
      ?>
   </body>
</html>
```

user.php

```php
<?php
$page = $_SERVER['PHP_SELF'];
$sec = "";
?>
<html lang="en" dir="ltr">

<head>
   <meta charset="utf-8">
   <meta http-equiv="refresh" content="<?php echo $sec ?>;URL='<?php echo
$page ?>'">
   <link rel="icon" sizes="180x180" href="/AMCTT/Src/img/amclogo.png"
type="image/icon">
   <link rel="stylesheet/less" type="text/css"
href="/AMCTT/Design/designing.less">
   <script src="/AMCTT/Design/less.js" type="text/javascript"></script>
   <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.js"></script>
```

```
<script>
function openNav() {
   document.getElementById("mySidenav").style.width = "250px";
   document.getElementById("open").style.padding = "250px";
   document.getElementById("open").style.transition = "0.5s";
}

function closeNav() {
   document.getElementById("mySidenav").style.width = "0px";
   document.getElementById("open").style.padding = "0px";
   document.getElementById("open").style.transition = "0.5s";
}

function show_btn() {
   document.getElementById('print_btn').style.visibility = "visible";
}

function user_panel() {
   document.getElementById('user_panel').style.display = "block";
}
function printTab(divName) {
   var printContents = document.getElementById(divName).innerHTML;
   var newWin = window.open('','Print-Window');
   newWin.document.open();
   newWin.document.write(printContents);
}
</script>
<script type="text/javascript">
function printDiv(divName) {
   var printContents = document.getElementById(divName).innerHTML;
   var newWin = window.open('', 'Print-Window');
   newWin.document.open();
   newWin.document.write(
      '<html><head><style>.title{display: flex;background-color:
darkcyan;margin-bottom: 5px;color: cornsilk;height: auto;}.card-des-allot
{display: flex;background-color: #3cb371;}.card-des-vac {display:
flex;background-color: #BE0018;}center {width: 200px;border: 1px solid
#000;}h3.up-title {text-align: center;}* {font-family: `Open Sans`, sans-
serif;}</style></head><body onload="window.print()" style="display:inline-
grid;justify-content:center;width:100%;">' +
```

```
            printContents + '</body></html>');
        newWin.document.close();
        setTimeout(function() {
            newWin.close();
        }, 0.01);
    }
    </script>
    <link rel="stylesheet" href="/AMCTT/Design/animate.css">
    <link
href="https://fonts.googleapis.com/css?family=Open+Sans:400,600&display=s
wap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/accfcb4aff.js"></script>
    <title>ADMIN</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scrip
t>
</head>

<body id="body">

    <header>
        <div class="amcname">
            <img class="amclogo" src="/AMCTT/src/img/amclogo.png">
            <h1>N. G. Acharya & D. K. Marathe College</h1>
        </div>
        <div id='profile'>
            <h3 class="wlc">Welcome, User</h3>
            <img src="../src/img/profile.png" id="prof_img" class="profile"
alt="Profile Pic" onclick="user_panel()">
            <a href="logout.php" class="btn">  <i class="fa fa-sign-out
icon-x"></i></a>
            <div id="user_panel">
                <ul class="user_option">
                     
                    <li>Privacy</li>
                    <li>Manage users</li>
                    <li>Upload files</li>
                    <hr>
                    <li>Logout</li>
                     
```

```php
            </ul>
        </div>
        <script src="script.js"></script>
    </header>
    <div class="nav">
        <div class="menu-bg" id="menu-bg">
            <ul class="nav_align" id="nav_align">
                <a>
                    <li>Home</li>
                </a>
                <?php
$products = json_decode(file_get_contents('Sections.json'), true);
foreach ($products as $item => $sub_item) {
    ?>
                <a href='<?php print($item)?>.php' style="text-
decoration:none;color:black;">
                    <li class="<?php echo strtolower($item); ?>">
                        <?php $path = '../Src/Sections/' . $item;
    error_reporting(E_ERROR | E_PARSE);
    if (!mkdir($path, 0777, true)) {
        error_reporting(E_ERROR | E_PARSE);
    } else {
        error_reporting(E_ERROR | E_PARSE);
    }
    echo $item;
    ?>
                </a>
                <ul class="drop0">
                    <?php foreach ($sub_item as $key) {?>
                    <a href="<?php echo '/AMCTT/htdocs/home.php?files=' . $item . '/'
. $key; ?>"
                        style="text-decoration:none;">
                        <li name="<?php echo strtolower($key); ?>">
                            <?php
$path_dept = '../Src/Sections/' . $item . '/' . $key;
    echo $key;
    ?>
                        </li>
                    </a>
                    <?php }?>
```

```php
            </ul>
          </li>
          <?php }?>
          <a href="About us.php">
            <li>About us</li>
          </a>
          <a href="Help.php">
            <li>Help</li>
          </a>
        </ul>
        <?php
$loc = $_GET['files'];
if (isset($_FILES['my_file'])) {
  $errors = array();
  $file_name = $_FILES['my_file']['name'];
  $file_size = $_FILES['my_file']['size'];
  $file_tmp = $_FILES['my_file']['tmp_name'];
  $file_type = $_FILES['my_file']['type'];
  if (empty($errors) == true) {
    move_uploaded_file($file_tmp, "../Src/Sections/" . $loc . '/' . $file_name);
    echo "Success";
  } else {
    print_r($errors);
  }
}
?>
    </div>
  </div>
  <main style="display:flex;margin-top:5px;">
    <script>
    $(document).ready(
      function() {
        var show_time = 'time';
        show_t(show_time);
        setInterval(function() {
          show_t(show_time);
        }, 1000);
      });

    function show_t(show_time) {
```

```
        $.ajax({
            url: "show_time_using_ajax.php",
            method: "post",
            data: {
                show_time: show_time
            },
            success: function(data) {
                $('#time').html(data);
            }
        })
    }

    function search_result(d1, d2, d3) {
        var req = new XMLHttpRequest();
        req.open("POST", "../htdocs/card_search_result.php?")
    }

    function dept_search_teacher(data) {
        // alert(data);
        var req = new XMLHttpRequest();
        req.open("GET",
"../htdocs/search_teachers_from_department.php?dept=" + data, "true");
        req.send();

        req.onreadystatechange = function() {
            if (req.readyState == 4 && req.status == 200) {
                document.getElementById('prof').innerHTML = req.responseText;
            }
        }

    }

    jQuery(document) . ready(function () {
        jQuery(".main-table") . clone (true) . appendTo('#table-scroll') .
addClass('clone');
    });

    </script>
    <p id="time"></p>
```

```php
    <form method="POST" action='' enctype="multipart/form-data"
class="upload_btn">
        <input type="file" name="my_file" id="file_upload" />
        <label for="file_upload" id="upload">   Upload file</label>
        <input type="submit" id="submit" />
        <label for="submit" class="sub" />
    </form>
    <p align="right" id="dept"></P>
  </main>
  <div id="mySidenav" class="sidenav">
    <a href="javascript:void(0)" class="closebtn"
onclick="closeNav()">&times;</a>
      <?php
  $dir_iter = new RecursiveDirectoryIterator('../Src/Sections/Junior');
  $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
  $path = array();
  foreach ($iter as $file) {
    if (is_file($file)) {
      $path[] = $file;
    }
  }
  ?>

  </div>
  <div id="bookmarks">
    <span style="font-size:30px;cursor:pointer" id="open"
onclick="openNav()"><i class="fas fa-bookmark"></i></span>
  </div>
  <div style="align:center;text-align:center;">
    <form method='post'>
      <select name="department" class="depart"
onchange='dept_search_teacher(this.value)'>
        <?php

echo '<option>Select Department</option>';
for ($j = 0; $j < count($path); $j++) {
  $path[$j] = str_replace('\\', '/', $path[$j]);
  echo '<option>' . $j . ' - ' . basename($path[$j], '.xlsx') . '</a></option>';
}
```

```php
        ?>
        </select>
        <input type="date" name="day" id="time_val">
        <select name="times" class="times">
          <option>Select Time</option>
          <option>07:30 AM</option>
          <option>08:20 AM</option>
          <option>09:25 AM</option>
          <option>10:15 AM</option>
          <option>11:05 AM</option>
          <option>11:55 AM</option>
          <option>12:45 PM</option>
          <option>01:35 PM</option>
          <option>02:25 PM</option>
          <option>03:25 PM</option>
          <option>04:15 PM</option>
          <option>05:05 PM</option>
        </select>
        <select id="prof">
          <option>Teacher's name </option>
        </select>
        <button type="submit" id="q" name="submit_btn"
onclick="show_btn()"><i class="fas fa-search"></i></button>
      </form>
   </div>
   <div id="result" style="width:80%;padding:5px 10%;">
     <?php
      if (isset($_POST['submit_btn'])) {
       try{
          $date = $_POST['day'];
          $day = 'Monday';
          $tm = $_POST['times'];
          $data = $_POST['department'];
          $res = preg_replace("/[^0-9]/", "", $data );
          $dir_iter = new RecursiveDirectoryIterator('../Src/Sections');
          $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
          $path = array();
          foreach ($iter as $file) {
             if (is_file($file)) {
```

```php
            $path[] = $file;
          }
        }
        for ($j = 0; $j < count($path); $j++) {
          $path[$j] = str_replace('\\', '/', $path[$j]);
        }
        $fxls = $path[$res];
        require '../vendor/autoload.php';
        $xls_data = \PhpOffice\PhpSpreadsheet\IOFactory::load($fxls)-
>getSheetByName($day)->toArray(null, true, true, true);
        $nr = count($xls_data);
        $reader =
\PhpOffice\PhpSpreadsheet\IOFactory::createReader('Xlsx');
        $spreadsheet = $reader->load($fxls);
        $worksheet = $spreadsheet->getSheetByName($day);
        $highrow = $worksheet->getHighestDataRow();
        $highestRow;
        for ($i=2; $i <=$highrow; $i++) {
          $cellC1 = $worksheet->getCell('A'.$i)->getValue();
          $cellVAl = $worksheet->getCell('A'.$i)->getFormattedValue();
          if (empty($cellC1)) {
            $highestRow = $i;
            break;
          } elseif ($cellVAl==$tm) {
            $row_data = $i;
          } else {
            $highestRow = $i;
          }
        }
        $highColumn = $worksheet->getHighestDataColumn();
        $highestColumnIndex =
\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($highCo
lumn);
        for ($i='B'; $i < $highColumn; $i++) {
          $cellC1 = $worksheet->getCell($i.'1')->getValue();
          if (empty($cellC1)) {
            $Column_alpha
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::columnIndexFromString($i)-1;
```

```php
                $highestColumn
=\PhpOffice\PhpSpreadsheet\Cell\Coordinate::stringFromColumnIndex($Colu
mn_alpha);
                break;
            } else {
                $highestColumn = $i;
            }
        }
        $xls_data = [];
        for ($j=1;$j <=$highestRow; $j++) {
            array_push($xls_data, $worksheet-
>rangeToArray('A'.$j.':'.$highestColumn.$j));
        }

        function results($row_data, $highestColumnIndex, $spreadsheet,
$day)
        {
            $show_data='';
            $class_data='';
            for ($i=2; $i < $highestColumnIndex ; $i++) {
                $classValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, 1)->getValue();
                $class_data.='$'.$classValue;
                $cellValue = $spreadsheet->getSheetByName($day)-
>getCellByColumnAndRow($i, $row_data)->getValue();
                $show_data.='$'.$cellValue;
            }
            $rooms=explode('$', $show_data);
            $show_room=explode("$", $class_data);
            $card='';
            for ($j=1; $j < $highestColumnIndex-1 ; $j++) {
                $room_data='';
                $room_data=explode('/', $rooms[$j]);
                if (!empty($room_data[0])) {
                    $card.='<div style="height:auto;width:200px;display:inline-
block;"class="card-des-allot">';
                    $card.='<center><h3>'.$show_room[$j].'</h3></center>';
                    $card.='<center><h3 class="ong-data">'.$room_data[0];
                } else {
```

```php
                $card.='<div style="height:auto;width:200px;display:inline-
block;"class="card-des-vac">';
                    $card.='<center><h3>'.$show_room[$j].'</h3></center>';
                    $card.='<center><h3>N/A | ';
                }
                if (isset($room_data[1])) {
                    $card.=' | '.$room_data[1].'</h3></center>';
                } else {
                    $card.='N/A</h3></center>';
                }
                if (isset($room_data[2])) {
                    $card.='<center><h3>'.$room_data[2].'</h3></center>';
                } else {
                    $card.='<center><h3>N/A</h3></center>';
                }
                $card.='</div>';
            }
            $card.='';
            echo $card;
        }
        echo '<h3 class="up-title"> Search Result of '. basename($fxls,'.xlsx').'
on '.$date.' on '.$tm.' is :</h3>';
        results($row_data, $highestColumnIndex, $spreadsheet, $day);
    }
    catch(InvalidArgumentException $e){
        echo "<h4 align='center'>Please give a proper search query</h4>";
    }
    }
    ?>
  </div>
  <div>
    <?php
 $scan_file = array_diff(scandir('../Src/Sections/Junior/'), array('..', '.'));
 foreach ($scan_file as $key => $value) {
    $dir_iter = new
RecursiveDirectoryIterator('../Src/Sections/Junior/'.$value.'/');
    $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
    $path = array();
```

```php
    foreach ($iter as $file) {
      if (is_file($file)) {
        $path[] .= $file;
      }
    }
 }

 for ($k=2; $k < 3 ; $k++) {
              foreach ($scan_file as $key => $value) {
                $dir_iter = new
RecursiveDirectoryIterator('../Src/Sections/Junior/'.$value.'/');
                $iter = new RecursiveIteratorIterator($dir_iter,
RecursiveIteratorIterator::SELF_FIRST);
                $path = array();

                foreach ($iter as $file) {
                  if (is_file($file)) {
                     $path[] .= $file;
                  }
                }
      for ($j = 0; $j < count($path); $j++) {
        $path[$j] = str_replace('\\', '/', $path[$j]);
        $fxls = $path[$j];
        if(!empty($fxls)){
        require_once 'class.php';
           echo '<h2 align="center">' . $value . '</h2><h2 align="center"
onclick="printTab(\'' . basename($fxls, '.xlsx') . '\')">' . basename($fxls, '.xlsx') .
'</h2>';
           echo '<div style="border-width:2px;" class="table-scroll" id="table-
scroll"><div id="'.basename($fxls, '.xlsx').'" class="table-wrap">';
           data_Table($xls_data, $highestRow);
           echo "</div>";
         }
       else{
        echo '<h2 align="center"> File not found</h2>';
       }
     }
              echo '</div>';
            }
 }
```

```
?>
   </div>
</body>

</html>
```

designing.less

```less
:root{
 --var1:slategray;
}

@import url('https://pro.fontawesome.com/releases/v5.2.0/css/all.css');

 html{
   overflow:auto;
   ::-webkit-scrollbar {
      width: 5px;
      height: 5px;
   }

   ::-webkit-scrollbar-track {
      -webkit-box-shadow: inset 0 0 6px rgba(0,0,0,0.3);
      box-shadow:  inset 0 0 6px rgba(0,0,0,0.3);
      -webkit-border-radius: 10px;
      border-radius: 10px;
   }

   ::-webkit-scrollbar-thumb {
      -webkit-border-radius: 10px;
      border-radius: 10px;
      background:rgba(96, 192, 208, 1);
      -webkit-box-shadow: inset 0 0 6px rgba(0,0,0,0.5);
      box-shadow:  inset 0 0 6px rgba(0,0,0,0.5);
   }

   ::-webkit-scrollbar-thumb:window-inactive {
    background:gold;
   }
 }
```

```css
html:hover::-webkit-scrollbar {
    background: lightyellow;
}
*{
  margin: 0;
  padding: 0;
  font-family:'Open Sans', sans-serif;
}

#menu{
      width: 35px;
      height: 30px;
      margin: 30px 20px 20px 20px;
cursor: pointer;
display: none;
}
.menu-bg{
  display:flex;
  justify-content: center;
}
.bar{
  height: 5px;
  width: 100%;
  background-color: #b81568;
  display: block;
  border-radius: 5px;
  transition: 0.3s ease;
}
#bar1{
  transform: translateY(-4px);
}
#bar3{
  transform: translateY(4px);
}
.nav{
  height: 80px;
  background-color: #fff;
  line-height: 80px;
  box-shadow:inset -90px 0px 26px -25px #f1f1f1,inset 90px 0px 26px -25px
#f1f1f1;
```

```css
    }

    .nav ul{
     font-family:'Open Sans', sans-serif;
     list-style: none;

    }

    .nav ul li{
     display: inline-block;
     padding: 0px 35px;
     color: #141414;
     font-weight: bold;
     letter-spacing: 0.5px;
    }


    .nav ul li:hover{
     color: #60c0d0;
     cursor: pointer;
    }

    .aided,.unaided,.ctes,.junior,.png{
     position: relative;
     text-decoration:none;
     &:a{
       text-decoration: none;
     }
    }

    .drop0{
     position: absolute;
     top: 90px;
     left:-55px;
     width: 150px;
     background-color: rgba(96, 192, 208, 1);
     box-shadow: 0px 0px 45px rgba(0,0,0,.09);
     border-radius: 4px;
     transition: all 0.2s ease-in;
     transform: translateY(20px);
```

```css
  pointer-events: none;
  opacity: 0;
  z-index: 1;
  margin-left:32%;
}

.drop0 a{
  text-decoration: none;
}

.nav ul li:hover > ul{
  transform: translateY(-10px);
  opacity: 1;
  pointer-events: all;
}

.nav ul li ul li{
  display: block;
  padding: 0px 15px;
  text-align: center;
}

.nav ul li ul li:hover{
  background-color: #136483;
}

body{
  top: 5px;
  left: 20px;
  bottom: 5px;
  padding: 5px 20px 5px 5px;
  overflow-x: hidden;
  background-color:#f1f1f1;
  width:auto;
  font-family: 'Open Sans','sans-serif';
  overflow-x: hidden;
}

header{
  height: 100px;
```

```css
  width:80%;
  line-height: 100px;
  display: inline-flex;
  margin: 0px calc(100% - 90%);
}

header img{
  height: 80px;
  width: 80px;
}

header h2{
  margin-left: 15px;
  font-size: 20px;
}

header h1{
  margin-left: 15px;
  font-size: 21px;
  width:390px;
}

.btn{
  margin-top: 13px;
  display: inline-block;
  position: relative;
  text-decoration: none;
  color: black;
  width: 80px;
  height: 80px;
  border-radius: 50%;
  border: #000 2px;
  text-align: center;
  background: #f7f7f7;
  box-shadow: inset 0 0 4px rgba(0, 0, 0, 0.08);
}

.btn .fa {
  position: absolute;
  content: '';
```

```css
    width: 60px;
    height: 60px;
    line-height: 65px;
    vertical-align: middle;
    left: 10px;
    top: 9px;
    border-radius: 50%;
    font-size: 30px;
    background-image: linear-gradient(#e8e8e8 0%, #d6d6d6 100%);
    text-shadow: 1px 1px 1px rgba(255, 255, 255, 0.66);
    box-shadow: inset 0 2px 0 rgba(255,255,255,0.5), 0 2px 2px rgba(0, 0, 0,
0.19);
    border-bottom: solid 2px #b5b5b5;
  }

  .btn .fa:active{
    background-image: -webkit-linear-gradient(#efefef 0%, #d6d6d6 100%);
    box-shadow: inset 0 1px 0 rgba(255,255,255,0.5), 0 2px 2px rgba(0, 0, 0,
0.19);
    border-bottom: solid 2px #d8d8d8;
  }


  #prof {
    height: 30px;
    width: 169px;
    margin-left: -6px;
    margin-right: 17px;
  }


  .upload_btn{
    margin-left:20%;
    height:auto;
  }

  #time{
    font-weight: bolder;
    width:30%;
```

```css
    margin: 10px 10%;
    display:inline-flex;
    text-shadow: #000 0px 0px 1px;
    & h4{
      padding: 4px;
    }
}

.depart{
    height:30px;
    border-top-left-radius:5px;
    border-bottom-left-radius: 5px;
    border-radius:-5px;
    margin-right:-5px;
}

#time_val{
    height:30px;
    margin-top:5px;
    border-radius:-5px;
    margin-right:-5px;
}

.times{
    height:30px;
}

#q{
    margin-left:-21px;
    padding: 7.5px 20px 5.5px 20px;
    color:#fff;
    text-shadow: #000 0px 0px 1px;
    border-top-right-radius:5px;
    border-bottom-right-radius: 5px;
    &:focus{
      #fa-print{
      display: block;
    }
    }
}
```

```css
#usq{
  margin-left:-5px;
  padding:6.5px 15px;
  color:#fff;
  text-shadow: #000 0px 0px 1px;
  border-top-right-radius:5px;
  border-bottom-right-radius: 5px;
}

.signin {
  padding: 7px 14px;
  border-radius: 4px;
  border: 2px solid #000;
  background-color: #60C0D0;
}
.signup {
  padding: 7px 14px;
  border-radius: 4px;
  border: 2px solid #000;
  color: #60c0d0;
}

.overlap{
  position: fixed;
  top: 0;
  bottom: 0;
  left: 0;
  right: 0;
  background: rgba(0, 0, 0, 0.7);
  transition: opacity 500ms;
  visibility: hidden;
  opacity: 0;
}

.overlap:target{
  visibility: visible;
  opacity: 1;
}
```

```css
.popup{
 margin:15% auto;
 padding: 20px;
 background: #fff;
 border-radius: 5px;
 width: 30%;
 height: 30%;
 position: relative;
 transition: all 5s ease-in-out;
}

.popup .close {
 position: absolute;
 top: 20px;
 right: 30px;
 transition: all 200ms;
 font-size: 30px;
 font-weight: bold;
 text-decoration: none;
 color: #333;
}
.popup .close:hover {
 color: red;
}
.popup .content {
 max-height: 40%;
 overflow: auto;
}
.overlapR{
 position: fixed;
 top: 0;
 bottom: 0;
 left: 0;
 right: 0;
 background: rgba(0, 0, 0, 0.7);
 transition: opacity 500ms;
 visibility: hidden;
 opacity: 0;
}
.overlapR:target{
```

```css
   visibility: visible;
   opacity: 1;
}
.popupR{
  margin:15% auto;
  padding: 20px;
  background: #fff;
  border-radius: 5px;
  width: 20%;
  height: 50%;
  position: relative;
  transition: all 5s ease-in-out;
}
.popupR .close {
  position: absolute;
  top: 20px;
  right: 30px;
  transition: all 200ms;
  font-size: 30px;
  font-weight: bold;
  text-decoration: none;
  color: #333;
}
.popupR .close:hover {
  color: red;
}
.popupR .content {
  max-height: 40%;
  overflow: auto;
}
input[type=text]{
  width: 100%;
  padding: 12px;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
  resize: vertical;
}
input[type="email"]{
  width: 100%;
```

```css
   padding: 12px;
   border: 1px solid #ccc;
   border-radius: 4px;
   box-sizing: border-box;
   resize: vertical;
}
input[type=password]{
  width: 100%;
  padding: 12px;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
  resize: vertical;
}
label {
  padding: 12px 12px 12px 0;
  display: inline-block;
  font-size: 20px;
}
input[type=submit] {
  background-color: #4CAF50;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

input[type=submit]:hover {
  background-color: #45a049;
}
input[type=reset] {
  background-color: #4CAF50;
  color: white;
  padding: 12px 22px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
  margin:0 0 0 30%;
}
```

```css
input[type=reset]:hover {
  background-color: #45a049;
}

[type="file"]{
  border:0;
  visibility: hidden;
  clip: rect(0, 0, 0, 0);
  overflow: hidden;
  height: 1px;
  padding: 0;
  position: absolute !important;
  white-space: nowrap;
  width: 1px;
}

[type="file"] + label{
  background: #f15d22;
  color: #fff;
  cursor: pointer;
  display: inline-block;
  font-family:'Open Sans', sans-serif;
  font-size: inherit;
  font-weight: 600;
  margin-bottom: 9px;
  outline: none;
  padding: 1rem 50px;
  position: relative;
  transition: all 0.3s;
  vertical-align: middle;
  overflow: hidden;
  background-color: hsl(17, 100%, 50%);
  border-top-left-radius: 50px;
  border-bottom-left-radius: 50px;
  box-shadow: #000 0px 0px 5px;

  &::before {
    color: #fff;
    content: "\f382";
```

```scss
      font-family: "Font Awesome 5 Pro";
      font-size: 100%;
      height: 100%;
      right: 130%;
      line-height: 3.3;
      position: absolute;
      top: 0px;
      transition: all 0.3s;
    }

    &:hover {
      background-color: darken(#00ffea, 10%);

      &::before {
        right: 70%;
      }
    }
  }
}

#submit {
  display: none;
}

.uploading{
  display: block;
  padding-left: 45%;

}

.sub{
  background-color: dodgerblue;
  margin-right:20px;
  margin-left: -3.98px;
  width:30px;
  height: 26.4px;
  border-top-right-radius: 50px;
  border-bottom-right-radius: 50px;
  box-shadow: #000 0px 0px 10px;
  &::before{
   color: #fff;
```

```css
    content:"\2714";
    margin-left: 11px;
    margin-bottom: 5px;
  }

}

[type="submit"] + label:hover {
  background-color: royalblue;
}

.cteslogo{
  margin-left: auto;
  margin-top: 10px;
}

.amclogo{
  margin-top: 10px;
}

.amcname{
  display: flex;
}

.Ongoing{
  margin-top: 50px;
  width: auto;
  line-height: 30px;
}
.ong-title{
  margin-left: 20px;
  margin-bottom: 40px;
  font-size: 36px;
}

#ongoing_lect{
  padding-top:50px;
}

#upcom_lect{
```

```css
  font-size:36px;
}

.up-title{
 font-size: 36px;
}

#print_btn{
 visibility: hidden;
}
.fa-print {
 font-size: 29px;
 float: right;
}
.ongo-div{

 padding: 25px 0px;
 border-radius: 5px;
 width: auto;
}

.title{
 display:none;
}

.card-des-allot{
 border-radius: 7px;
 box-shadow: 4px 4px 25px rgba(0,0,0,0.25);
 padding: 35px 0px;
 margin-top: 15px;
 margin-left: 30px;
 background: #3cb371;
 border: 0px solid #000;
 transition-property: opacity, left, top, height;
 transition-duration: 0ms;
 transition-timing-function:ease-in-out;
 transition-delay: 0ms;
}

.card-des-vac{
```

```css
    border-radius: 7px;
    box-shadow: 4px 4px 25px rgba(0,0,0,0.25);
    padding: 35px 0px;
    margin-top: 15px;
    margin-left: 30px;
    background: #be0018;
    border: 0px solid #000;
    transition-property: opacity, left, top, height;
    transition-duration: 0ms;
    transition-timing-function:ease-in-out;
    transition-delay: 0ms;
}
.vac{
  height:auto;
  width:150px;
  display:inline-block;
}
 .allot{
  height:auto;
  width:150px;
  display:inline-block;
}


.upco-div{
  padding: 25px 0px;
  border-radius: 5px;
  width: auto;
}
table {
  width: 100%;
  border-collapse: collapse;
  border-radius: 5px 5px 0px 0px;
  overflow:hidden;
  box-shadow: 5px 5px 5px rgba(68,68,68,0.6);
  border:2px;
  margin: 25px 0;
  font-size: 0.9em;
  font-weight: 600;
  min-width: 400px;
```

```css
      }

      thead tr{
        background: #333;
        color: white;
        font-weight: bold;
        height:40px;
      }

      table tbody tr:nth-of-type(even){
        background-color:darkturquoise;
      }

      table tbody tr:hover{
        background-color:var(--var1);
        box-shadow:inset 0 0 3px #000000;
        color: #fff;
      }

      table tbody tr:last-of-type{
        border-bottom:2px solid #333;
      }

      th {
        background: #333;
        color: white;
        font-weight: bold;
        text-align: center;
      }

      td, th {
        padding: 5px;
        text-align: center;
        height:40px;
      }

      tr, th {
        padding: 5px;
        text-align: center;
        height:40px;
```

```css
    min-width: 65px;
  }

  td:empty{
    background-color:gray;
    border-left:3px solid #000;
  }

  #print{
   visibility: hidden;
  }

  .sidenav {
  height: 100%;
  width: 0;
  position: fixed;
  z-index: 1;
  top: 0;
  left: 0;
  background:linear-gradient(to right, #f1f1f1 55%,rgba(0,0,0,0));
  overflow-x: hidden;
  transition: 0.5s;
  padding-top: 60px;
}

.sidenav a {
  padding: 8px 8px 8px 32px;
  text-decoration: none;
  font-size: 15px;
  color: #818181;
  display: block;
  transition: 0.3s;
}

.sidenav a:hover {
  color: #000;
  font-weight:600;
}

.sidenav .closebtn {
```

```css
  position: absolute;
  top: 0;
  font-size: 36px;
  margin-left: 50px;
}

#open{
  font-size:30px;
  cursor:pointer;
}


#user_panel {
  line-height: inherit;
  padding-top: 20px;
  display: none;
}

.user_option li {
    padding-left: 20px;
}

.wlc {display: inline-block;
  position: relative;
  padding-right: 5px;
  margin-bottom: -50px;
}

#profile{
  line-height:80px;
  display:block;
  margin-left: auto;
}


.profile:focus + .user_panel{
  opacity: 1;
  pointer-events: all;
  transition: all 0.2s ease-in;
  padding-top:10px;
```

```css
        }


        img.profile {
          height: 60px;
          width: 60px;
          border-radius: 50px;
          margin-left: auto;
          display: inline-block;
          vertical-align: middle;
          cursor:pointer;
        }

        .user_option {
            margin: auto;
            list-style: none;
            margin-top: -25px;
            padding: 0px;
            text-align: start;
            border-radius: 5px;
            background-color: coral;
            z-index: 2;
            color: cornsilk;
            position: relative;
            width: 140px;
            height: auto;
            line-height: 1.7;
        }

         .user_option:before{
          width:0;
          height:0;
          border-left:5px solid transparent;
          border-right:5px solid transparent;
          border-bottom : 5px solid coral;
        }

         input[type="radio"]{
          display: none;
         }
```

```css
input[type="radio"][id="vac"]:checked + label {
background:#e60023;
color:#fff;
}
input[type="radio"][id="vac"]:checked ~ #result > .allot,
input[type="radio"][id="vac"]:checked ~ .allot{
  width:0;
  height:0;
  padding:0;
  margin:0;
  opacity:0;
}

input[type="radio"][id="allot"]:checked + label {
  background:#5cb85c;
  color:white;
}
input[type="radio"][id="allot"]:checked ~ #result > .vac,
input[type="radio"][id="allot"]:checked ~ .vac{
  width:0;
  height:0;
  padding:0;
  margin:0;
  opacity:0;
}

input[type="radio"][id="reset"]:checked + label {
  background: blue;
  color:white;
}

.vac_btn{
  padding: 12px 12px 12px 12px;
  display:block;
  font-size: 15px;
  border-width: 2px;
  border-style: solid;
  background-color: steelblue;
  float:right;
  margin: 0px 20px 0px 10px;
```

```css
    }
    .allot_btn{
      padding: 12px 12px 12px 12px;
      display: block;
      font-size: 15px;
      border-style: solid;
      border-width: 2px;
      background-color: steelblue;
      float:right;
      margin: 0px 20px 0px 10px;
    }
    .showall_btn{
      padding: 12px 12px 12px 12px;
      display: block;
      font-size: 15px;
      border-style: solid;
      border-width: 2px;
      background-color: steelblue;
      float:right;
      margin: 0px 20px 0px 10px;
    }
td.std{
  border-left: 3px solid #000;
}
td.data{
  text-align:center;
}
tr td:FIRST-CHILD{
    font-style: italic;
}

#bookmarks {
  position: fixed;
  bottom:0rem;
  left:2px;
  color: black;
  padding: 10px 20px;
  border-radius: 4px;
  border-color: #46b8da;
}
```

```css
.out{
 position:absolute;
 left:5px;
 font-size:25px;
}
.in {
 position:relative;
}

.table-scroll {
        position:relative;
        margin:auto;
        overflow:hidden;
        border:1px solid #000;
}
.table-wrap {
        width:100%;
        overflow:auto;
}
.table-scroll table {
        width:100%;
        margin:auto;
        border-collapse:separate;
        border-spacing:0;
}
.table-scroll th, .table-scroll td {
        padding:5px 10px;
        border:1px solid #000;
        white-space:nowrap;
        vertical-align:top;
}
.table-scroll thead, .table-scroll tfoot {
        background:#f9f9f9;
}
.clone {
        position:absolute;
        top:0;
        left:0;
        pointer-events:none;
```

```
}
.clone th, .clone td {
      visibility:hidden
}
.clone td, .clone th {
      border-color:transparent
}
.clone tbody th {
      visibility:visible;
      color:red;
}
.clone .fixed-side {
      border:1px solid #000;
      background:#eee;
      visibility:visible;
}
.clone thead, .clone tfoot{
      background:transparent;
}
```

5. IMPLEMENTATION

5.1 <u>TESTING</u>

Software testing is the process of executing a program or system with the intent of finding errors. Or, it involves any activity aimed at evaluating an attribute or capability of a program or system and determining that it meet its required results. Software is not unlike other physical processes where inputs are received and output are produced. Where software differs is in the manner in which it is fails. Most physical systems fail in a fixed (and reasonable small) set of ways. By contrast, software can fail in many bizarre ways. Detecting all of the different failure modes for software is generally infeasible.

· Module testing:

Here testing is done at each module level. Each case has been thoroughly tested to discover pitfalls.

· System testing:

Here testing is done after all the modules have been integrated.

5.2 <u>SYSTEM IMPLEMENTATION</u>

The implementation phase is less creative than system design. It is primarily concerned with user training, site preparation and file conversion. During file testing, user acceptance is, tested followed by user training. Depending on the nature of system, extensive user training may be required. Conversion usually takes place at about the same time the user is being trained. Programming is thought to be modified as a result of programming effort. Programming provides a "realty test" for the assumption made by analyst. System testing checks the deadlines and accuracy of the system. To access, update and retrieve data from new files. Once the programs become available, test data are read into the computer and processed against the file provided. For testing, its successful program is then run with "live" data. Otherwise, a diagnostic test to locate and correct errors. In most conversion, parallel run is conducted where the new system simultaneous run both old system. This method, through costly, provided added assurance against errors in the candidate system. This method through costly, provided added assurance against errors in the candidate system and also the user staff an opportunity to gain experience through operation.

5.3 <u>FUTURE SCOPE</u>

- The project is a unanimous requirement for planning class timings in an institute.
- Timetable may be more featured and digitalized for a faster, convenient and a quickly executable way.
- Will have a benefit of highly management of schedule to start and adjust courses, thus providing increase in educating students.
- This future enhancement of this project can have access to cameras of colleges to know which lecture is going on and synchronization with college digital attendance of professors as well as students.
- Keeping a complete record will help to conduct extra lectures and increase in courses offered in colleges or institutes.

5.4 <u>ADVANTAGES</u>

- Easy management of college timetable and teacher's schedules.
- Helps to search where the lectures allotments.
- Prints the timetable and search result to know where the lectures are going at the instance.
- Reduce workload and human efforts for communication to know status of classrooms whether vacant or occupied.
- Live displaying of classrooms allotment according to timetable uploaded.

6. CONCLUSION

The motive of make this web application is to give convenience digitalization to timetable and schedule of teachers to view and manage their day, by own don't need to ask college to give timetable. Timetable will be uploaded and informed and if any query can contact the legitimate authority to update the changes. This digitalization will help for management of college lectures and timetable for teachers. Even while making timetable for other sections they may refer the web app for accurate results. Reduce of back office work to move from one department to another for knowing class status whether occupied or vacant.

7. REFERENCES

<u>REFERENCES</u>

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