# CHECKBOX

**ATTENDANCE MANAGEMENT SYSTEM**



## TEAM 12

| | |
|---|---|
| Sejal Rai | - 19bcs098 |
| Aman Kumar | - 19bcs115 |
| Akshat Mishra | - 19bcs009 |
| Uattam Kumar Jangid | - 19bcs108 |
| Nishikant Prasad | - 19bcs079 |
| Priyam | - 19bcs089 |

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ATTENDANCE MANAGEMENT SYSTEM

## ACKNOWLEGMENT

We would like to express our special thanks of gratitude to our teachers **Dr. Uma S** Madam and **Dr. Manjunath K V** Sir to give us the golden opportunity to do this wonderful project **CHECKBOX**, which also helped us in doing a lot of research and coding and we came to know about so many new things. We are really thankful to them.

# ABOUT

This is a dynamic website for teachers/mentors/tutors etc to manage attendance record of students easily without getting involved in the mess of entering the records manually in registers. This websites ensure maintenance of proper attendance records by the teachers without getting seen or edited by any others which allow safe and exact attendance records. The teachers here can record everyday's attendance and can view the report in graphical manner and can download average class attendance and record of each student's attendance in required format. Students can also view their daily attendance report and can observe the percentage attendance so that they could maintain the minimum attendance mark.

# FEATURES

TEACHER'S END:

- He/she is required to create account.
- Teacher than can create a class of multiple students.
- Teacher can choose multiple lectures for each class.
- Mark attendance after each lecture.
- Check Average Attendance.
- View full attendance details of each student of the class with percentage and date wise attendance.
- Can update profile and password.
- Can download average attendance report.

STUDENT'S END:

- Each student can view their detail attendance report by entering the required details.
- Student can download his/her attendance report

# TECHNICAL STACK

Front-end:-

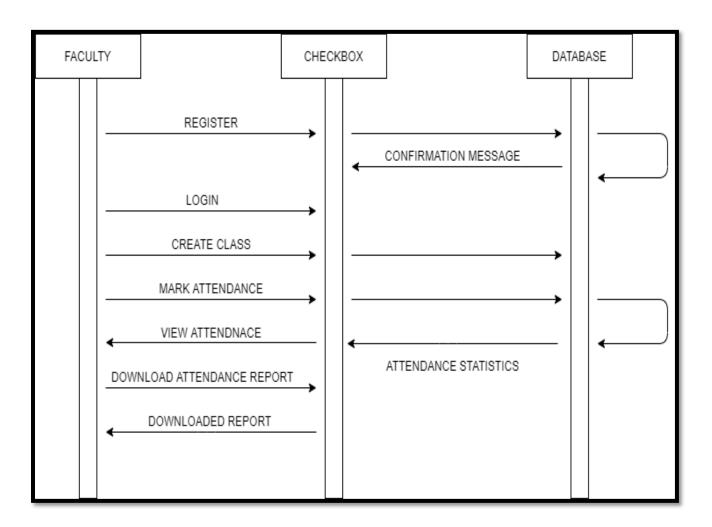- **HTML**: used for designing documents of our website to be displayed in a web browser.
- **CSS**: used for describing and styling the presentation of document of our website.
- **JavaScript**: a object-oriented language used for creating our web pages network-centric and scripting language for our web pages.
- **Bootstrap**: a CSS framework used for responsive front-end web development in our project.
- **JQuery**: a JavaScript library designed to simplify our HTML document traversal and manipulation, and event handling, CSS animation, and Ajax.
- **Ajax**: used for our project website to send and retrieve data from a server asynchronously without interfering with the display and behavior of the existing page.

Back-end:-

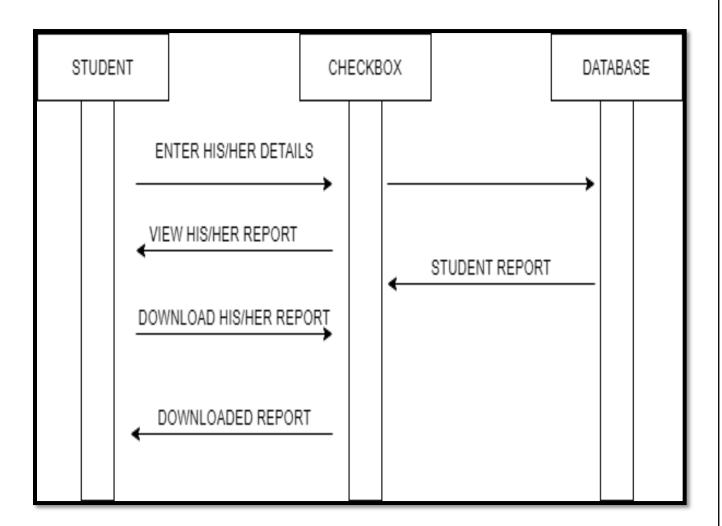- **PHP**: a server scripting language used for making our project web pages dynamic and interactive.
- **MySQL**: a relational database management system based on SQL used for the purpose of our website database and in future, for secure deployment of our project over web and even for cloud.

# SEQUENTIAL DIAGRAM

Teacher's:



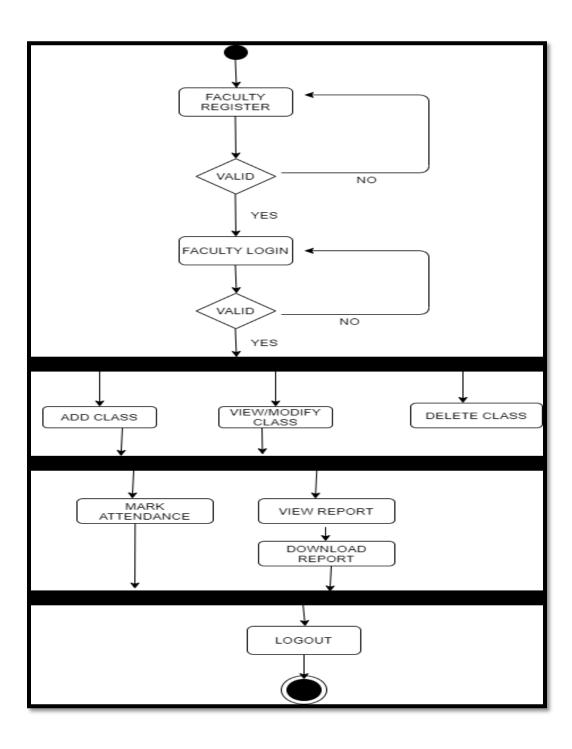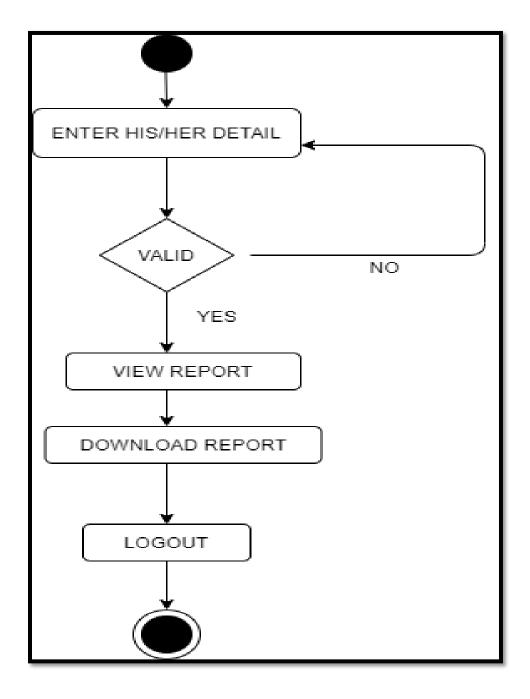| FACULTY | CHECKBOX | DATABASE |
| --- | --- | --- |

REGISTER
CONFIRMATION MESSAGE
LOGIN
CREATE CLASS
MARK ATTENDANCE
VIEW ATTENDNACE
ATTENDANCE STATISTICS
DOWNLOAD ATTENDANCE REPORT
DOWNLOADED REPORT

Student's:



Figure: Sequence diagram

| STUDENT | CHECKBOX | DATABASE |

ENTER HIS/HER DETAILS

VIEW HIS/HER REPORT

STUDENT REPORT

DOWNLOAD HIS/HER REPORT

DOWNLOADED REPORT

# ACTIVITY DIAGRAM

Teacher's:

Student's:

# USE-CASE

# CONTRIBUTION

It is difficult for us to exactly divide and say who has done what because each one of us have more or less have contributed on other field also, but we are dividing below according to the majority of work done on which field. All of us contributed equally to this project.

**FRONTEND DEVELOPING**:

Nishikant(19BCS079), Uattam Kumar Jangid(19BCS108) and Akshat Mishra(19BCS009) – Sign up, sign in, student's dashboard, Teacher's Portal (HTML, CSS, Javascript and Bootstrap).

Priyam(19BCS089) – Ajax and JQuery part.

**BACKEND DEVELOPING**:

Sejal Rai(19BCS098) and Aman Kumar(19BCS115) – Backend (PHP) and Database (MySQL).

**GRAPHIC DESIGNING**:
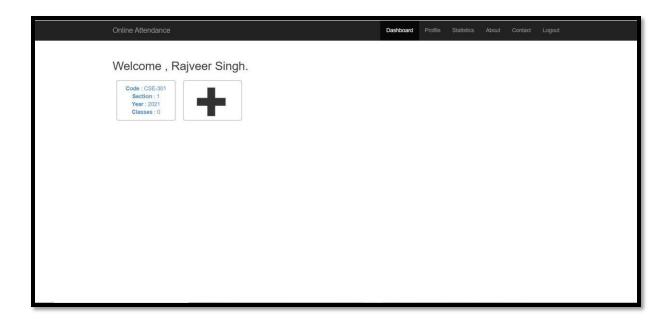
Akshat Mishra(19BCS009) and Sejal Rai(19BCS098)
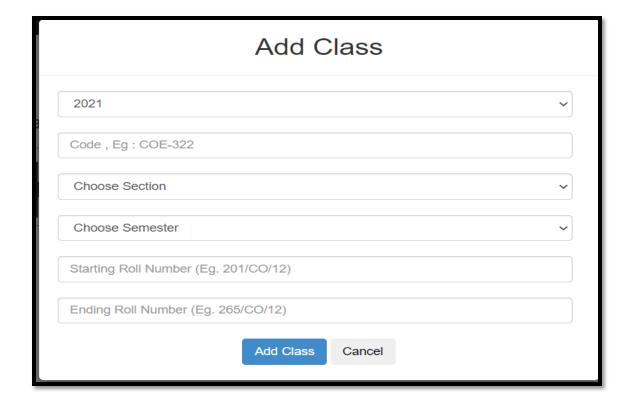
# WEBPAGES DESCRIPTION
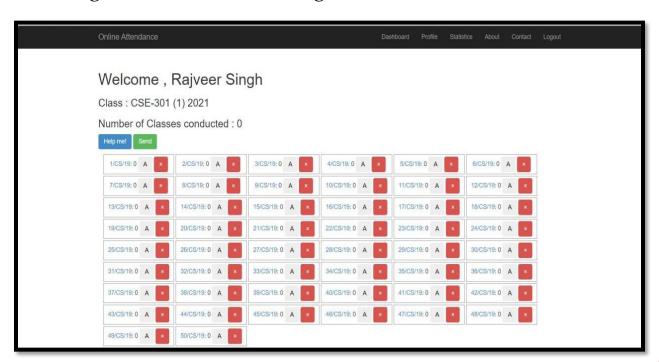
Teacher's Side-

## 1. Log in/Sign up and About Us:
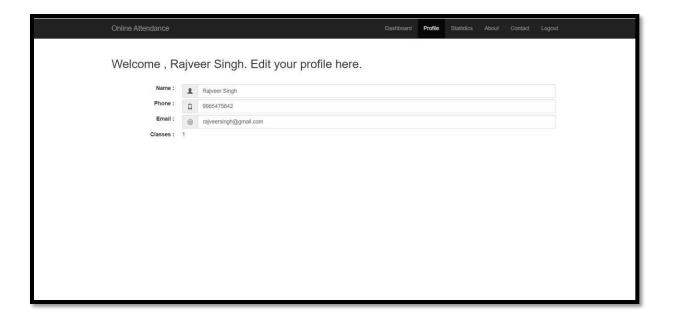


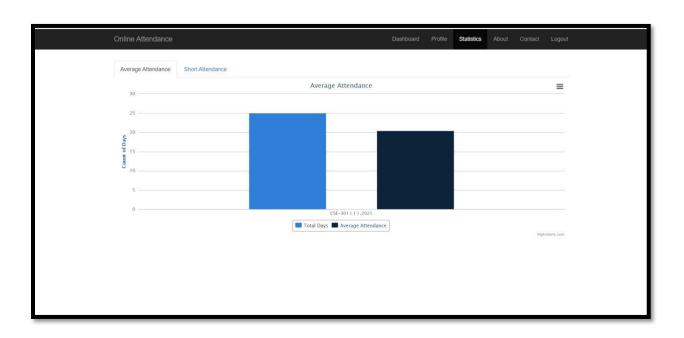## 2. Class Details (Open existing/Add new):

## 3. Adding new class:



## 4. Giving Attendance/Removing Student:

## 5. Teacher Profile:



## 6. Class Attendance Detail (Graphical & Downloadable):
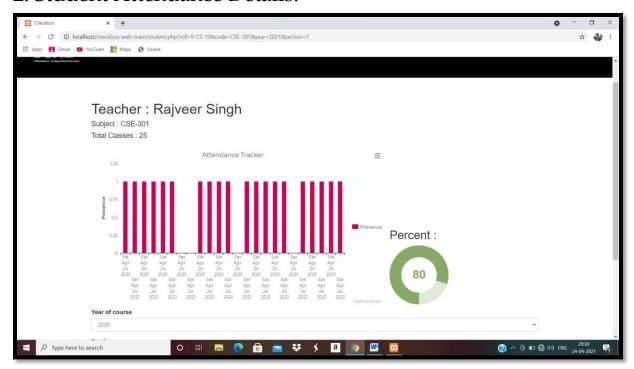
## Student's Side-

## 1. Student Dashboard:



## 2. Student Attendance Details:



➤ For detailed information and workflow, refer Checkbox User Manual.