

# EduClock

## Problem Statement

In most universities, students rely heavily on social media platforms like Facebook, WhatsApp, and Telegram to receive updates on class routines, exam schedules, and departmental notices. While these platforms are convenient, they come with significant drawbacks:

- **Distractions & Time Waste:** Students seeking important updates are often exposed to unrelated social media content, leading to time wastage.
- **Lack of Organization:** Course resources such as lecture notes, slides, previous year questions, and study materials are scattered across multiple platforms or personal drives, making it difficult for students to locate them when needed.
- **Manual Student Result Management:** Teachers currently face challenges in managing and distributing student results. Updates are not immediate, and students have to wait for manual announcements.

## Proposed Solution

To address these issues, we propose **EduClock**, a mobile and web-based application dedicated to university students and teachers. It aims to eliminate the need for social media by providing a single, organized, and distraction-free platform for managing academic updates, course resources, and student performance.

### Key Features of EduClock

#### 1. Class and Exam Schedule Management:

- Instant notifications for students about:
  - Class start time (15 minutes before)
  - Exam start time (24 hours before)
  - Class cancellations or updates in real-time
- Notifications for teachers when students upload assignments or resources.
- Alerts for students whenever teachers upload results.
- Students can view **upcoming classes** and **upcoming exams** in a calendar or list format.
- Real-time updates from teachers or CRs (Class Representatives) for class and exam schedules.

#### 2. Resource Organization:

- All course resources are stored in a well-structured format under each course and semester.
- Categories for resources such as:
  - Course books

- Lecture notes
  - PDFs
  - Previous year's questions
  - Video lectures
  - Links to online learning resources
- Easy upload and download functionality for teachers and students.
  - Role-based Access:
    - **Teachers** can upload and organize course resources, publish results, and send notifications.
    - **Students** can access resources, view their results, and receive notifications.
    - **Class Representatives (CRs)** have access to live chat with teachers for direct communication.

### **3. Result Management**

- Teachers can upload student results for a specific course, and the student's results are automatically updated in their accounts.
- Students receive instant notifications when results are published.

### **4. Live Chat:**

- Teachers can communicate directly with CRs via live chat for urgent updates.
- This allows CRs to manage student queries and facilitate quick communication between teachers and students.

# Preview

## For General Student



7:38:05 6% CSE ▾ 3/1

দ্যালয়ের ছাত্র ও সাধারণ জনতাকে আগমীকাল ২৯.০৭.২  
September 17, 2024 + Add Class

Today

SEP	SEP	SEP	SEP	SEP	SEP
17	18	19	20	21	22
TUE	WED	THU	FRI	SAT	SUN

**Algorithm Lab**  
CSE233 | Room No. 110  
🕒 9:00 AM - 11:00 AM

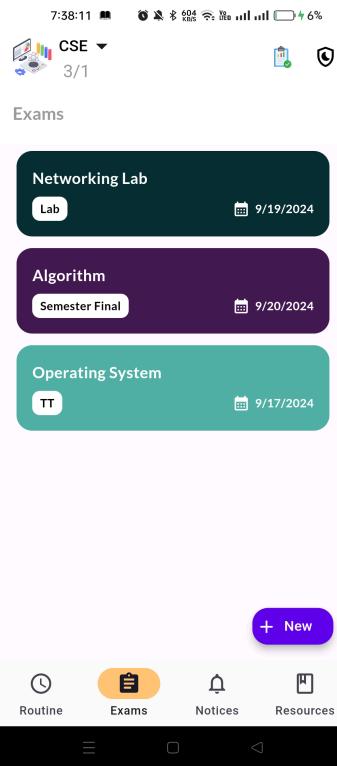
**Cyber Security**  
CSE430 | Room No. G-2  
🕒 12:00 PM - 1:00 PM

**Machine Learning**  
CSE465 | Room No. 109  
🕒 9:00 AM - 10:00 AM

hhh

Routine Exams Notices Resources

Home Page: Daily Class, Lab Schedule



7:38:11 6% CSE ▾ 3/1

Exams

**Networking Lab**  
Lab | 9/19/2024

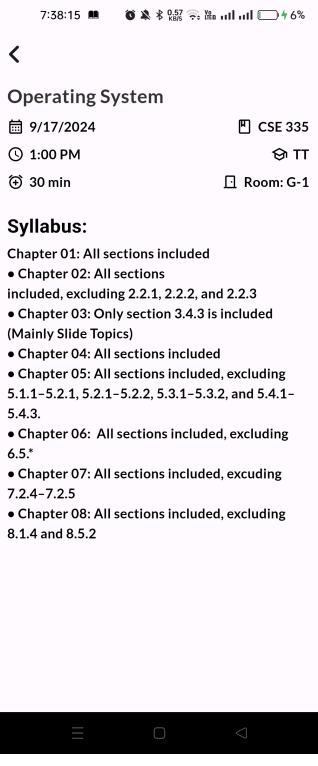
**Algorithm**  
Semester Final | 9/20/2024

**Operating System**  
TT | 9/17/2024

+ New

Routine Exams Notices Resources

Exams Schedule with Exam Type



7:38:15 6% CSE 335 ▾ TT Room: G-1

Operating System

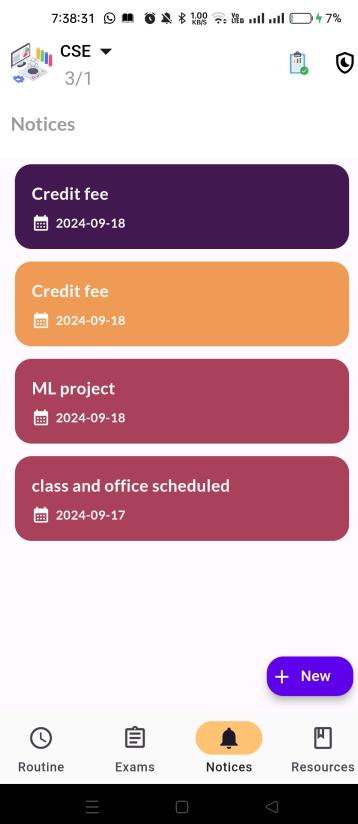
9/17/2024 CSE 335  
1:00 PM TT  
30 min Room: G-1

**Syllabus:**

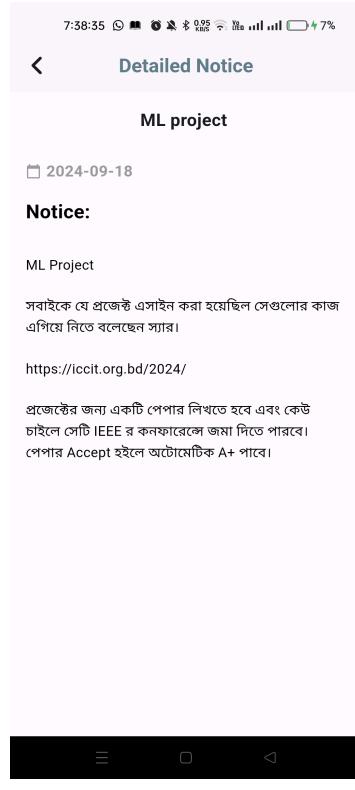
Chapter 01: All sections included

- Chapter 02: All sections included, excluding 2.2.1, 2.2.2, and 2.2.3
- Chapter 03: Only section 3.4.3 is included (Mainly Slide Topics)
- Chapter 04: All sections included
- Chapter 05: All sections included, excluding 5.1.1-5.2.1, 5.2.1-5.2.2, 5.3.1-5.3.2, and 5.4.1-5.4.3.
- Chapter 06: All sections included, excluding 6.5\*
- Chapter 07: All sections included, excluding 7.2.4-7.2.5
- Chapter 08: All sections included, excluding 8.1.4 and 8.5.2

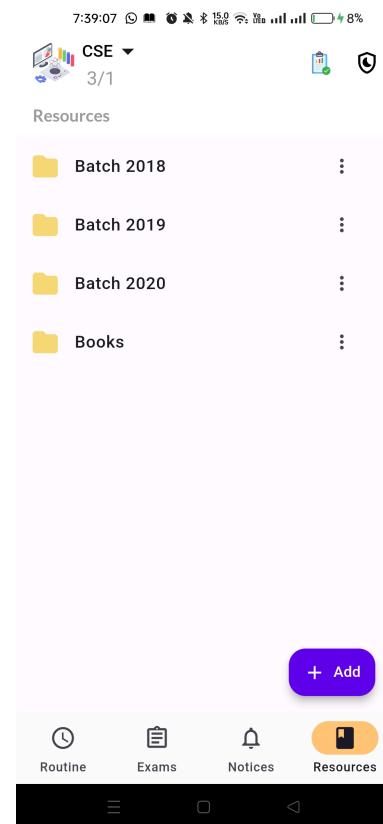
Exam Schedule and Syllabus in more detail



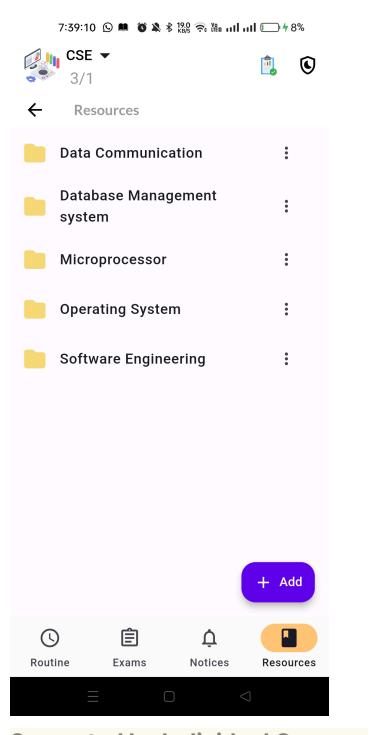
Notice Screen



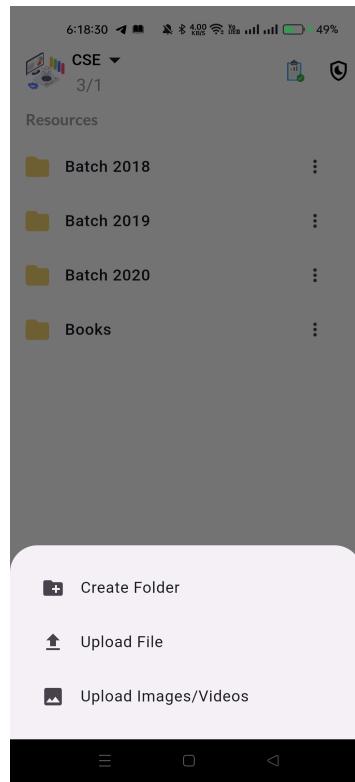
Notice Detailed



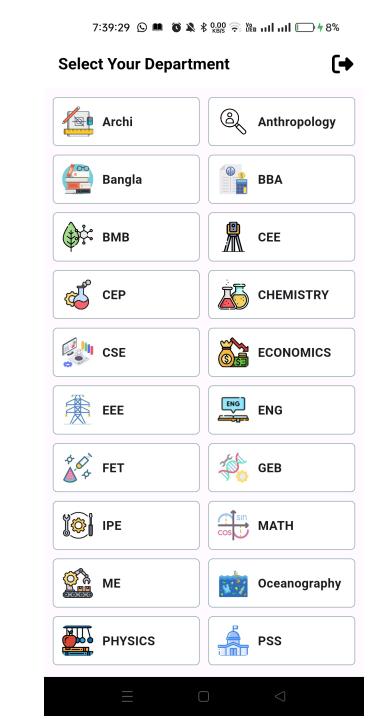
Resources Screen



Separated by Individual Courses



Resource Upload Section



Login by Department wise

# For CR

6:18:06 12.0 0.00 48%

## ADD CLASS

Course Title \*

Course Code Room no. \*

CSE350 Gallery-1

Date \*

12/4/2024

Start Time Last Time

8:00 AM  5:00 PM

Description

≡ ⌂ ⌄

**Class Form**

6:18:16 0.00 48%

## ADD EXAM

Course Title \*

Course Code Start Time \*

CSE 350 10:00 AM

Room No \* Exam Hour \*

109 3 hr

Exam Type \*

Date \*

Syllabus \*

≡ ⌂ ⌄

**Exam Form**

6:18:24 20.0 48%

## Notice Form

Title \*

Date \*

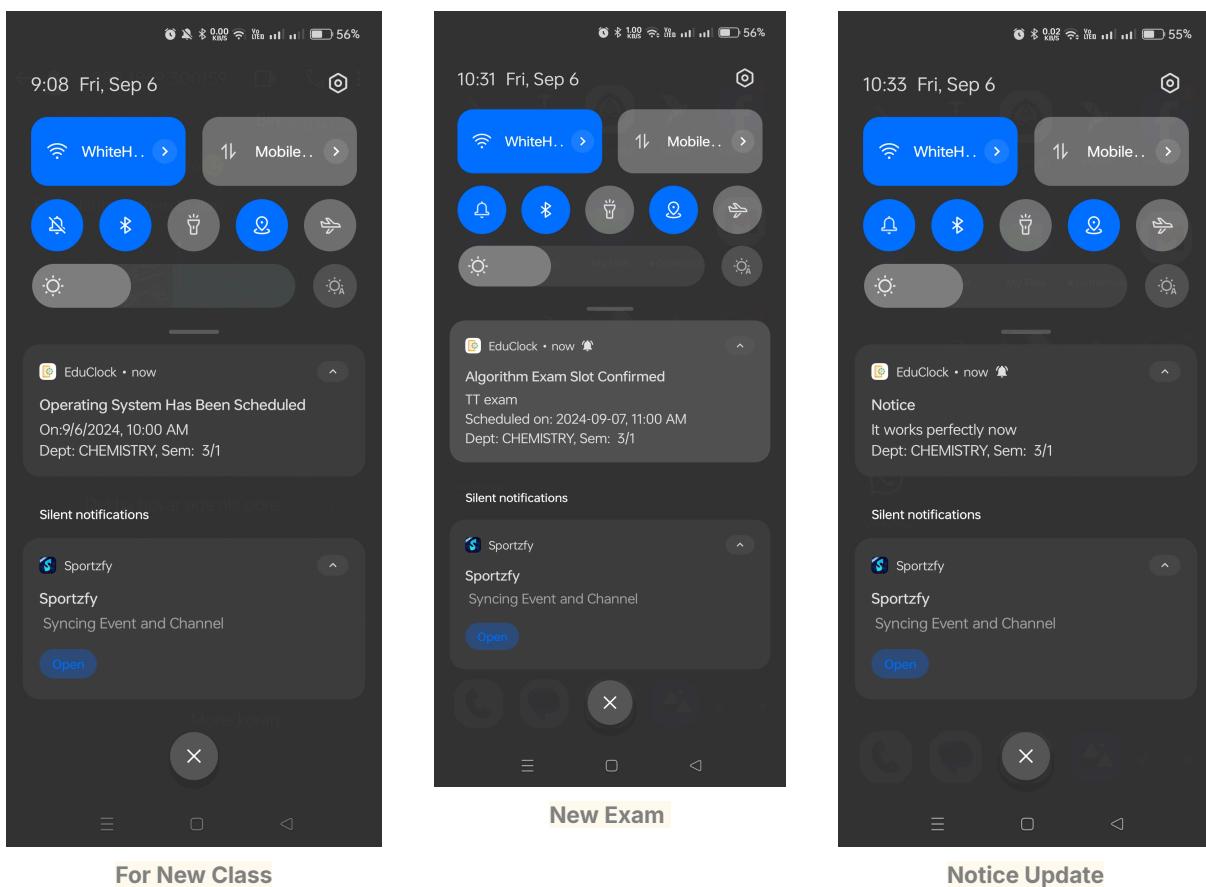
27-06-2024

Details

≡ ⌂ ⌄

**Notice Form**

## Real Time Notification



## GitHub Link

GitHub - AFNAN-091/EduClock-2.0: University Student Assistant App (Flutter)  
University Student Assistant App (Flutter). Contribute to AFNAN-091/EduClock-2.0 development by creating an account on GitHub.

<https://github.com/AFNAN-091/EduClock-2.0?tab=readme-ov-file>

AFNAN-091/  
**EduClock-2.0**

University Student Assistant App (Flutter)



## Watch demo video on Youtube

<https://youtube.com/shorts/ZPuFapcjT3s?feature=share>