

EDUBILE

Modern way of teaching

The Bug Stops Here

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PROBLEM STATEMENT

Professors and Teachers rely on Content Management Systems for teaching students their course work via the online mode during the pandemic.

But this system comes with its fare share of troubles.

Students have to move accross different platforms to get all their course work organised and in place. As well there is fare share of in attentivenes observed among students while their Professors are giving their lectures.

We try to tackle this problem by creating a CMS that is integrated with a smart attendance monitor which will give insights to a students attentivity keeping their privacy concerns in mind. The CMS will support livestream of lectures and chat along with storing the archives of past lectures, pdf and assignments all in one platform.

PROPOSED SOLUTION

We are trying to create a Video Based Content Management System which will support live streaming and support different video resolution for the livestream to suit users with different internet bandwidth.

It will support all the features that current industry leaders in the domain provide like live chat, email as well as push notification delivery of meetings. In addition to that, our hack tries to solve one fundamental problem: Attentiveness of the students via various computer vision and image processing algorithm so that teacher can check the attentiveness of student without seeing each and every students cam. It is difficult for the teacher, who are not as tech savvy, to simultaneously teach and monitor each and every student via the online mode. As a result, we can see in the current Indian Online Education scene that many student don't properly take notes/ listen to lectures.

PROPOSED SOLUTION

Our application will store the video of the students in their local storage all the while analysing them in real time and in case our application detects inattentiveness, it will send a notification to the student and at the end of the class when our application generates the attendance, will also print the time a student has been inattentive for. Teacher would also have a feature to set a threshold above which if a student is inattentive, will be marked absent. Apart from this, in order to create a wholesome platform, our application would also have all the archives of the video lectures in an organised manner for every class (if the teacher enables the feature). All the assignment and pdf will also be stored in the same platform.

PROPOSED SOLUTION

In a Summary,

We are creating a content management system, that Stores the pdf, assignments , archives of live streams in an organised manner. Provides insights of students attentiveness, attendance in the live streams and also supports different video resolutions of the livestreams and its archives.



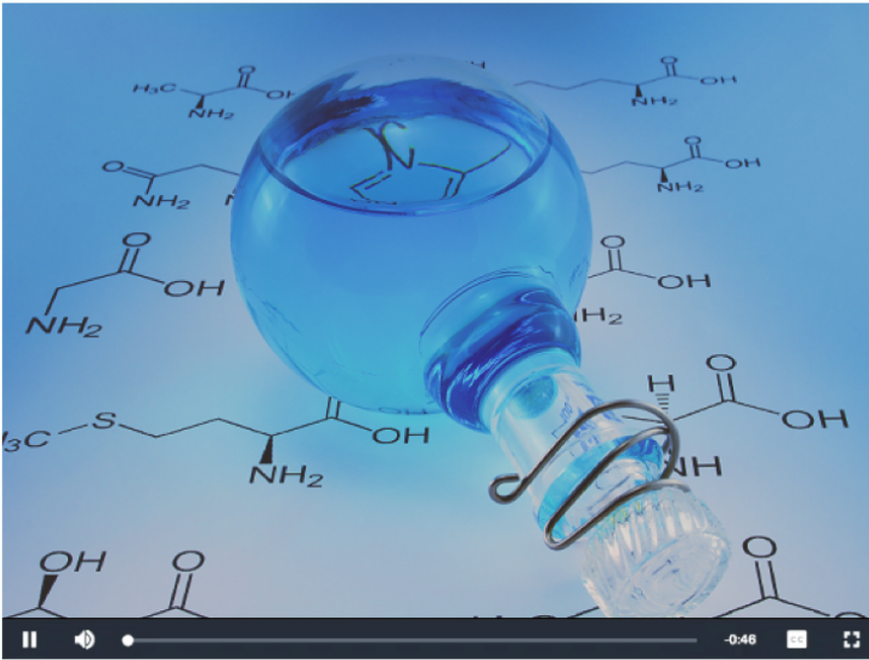
UNIQUE SELLING POINTS

01

Stream & Store

This feature allows the teacher to take online classes and their lectures will be automatically get stored on the app. Students can access the lectures again & again to clear the doubts & those who have missed the lecture due to any problem can **download** and learn.

Video Player



Atomic weight and atomic mass
Atomic weight

Size :

8.738 Mb

Length :

02:56 Minutes

Formet :

MP4

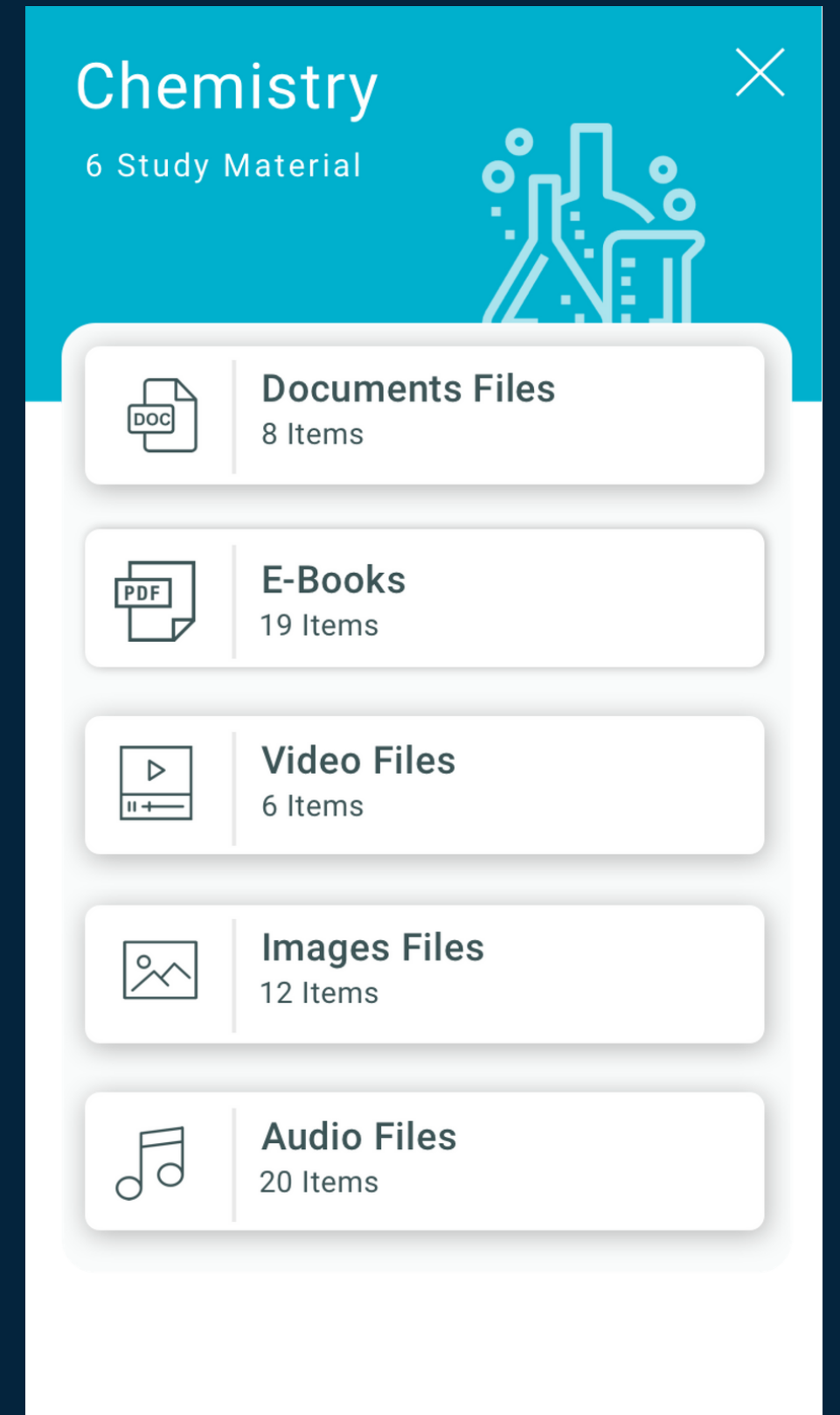
Download

UNIQUE SELLING POINTS

02

Everything at
one place

This feature allows the teacher to upload the different types of study files in one place. They can upload **E-books, Video Files, Audio Files, Image Files & presentations** in one place. This also helps students to find particular files in one place and maintain their notes in an organized way.



UNIQUE SELLING POINTS

03


TEST Facility


Our app provides a platform for **taking tests** also. Students don't have to download different apps to give tests and get their scorecard on different platforms. They can give their test on the **same app** which they are using to watch lectures.


Demo Test


Question 5 of 8



Which of the following terms is not used in the field of physics?

 Latent heat


 Nuclear fusion

 Refractive index

 Stock value

Demo Test



Completed .!

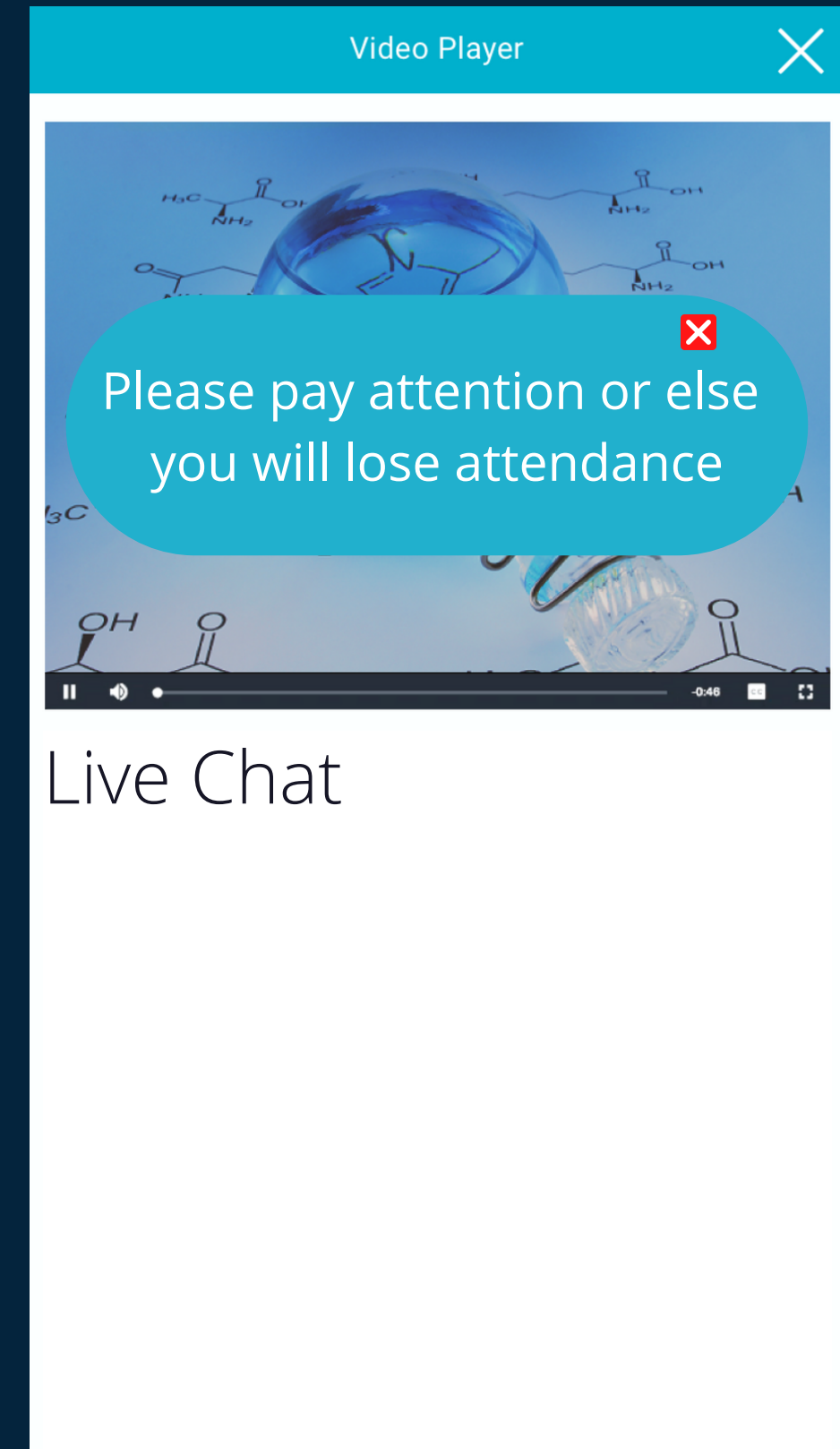
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UNIQUE SELLING POINTS

04

Smart Attendance System

The smart attendance feature will send a notification to the student in case our application detects inattentiveness. and at the end of the class when our application generates the attendance, will also print the time a student has been inattentive for. The teacher would also have a feature to set a threshold above which if a student is inattentive, will be marked absent.



TECH STACK

FLUTTER



PYTHON

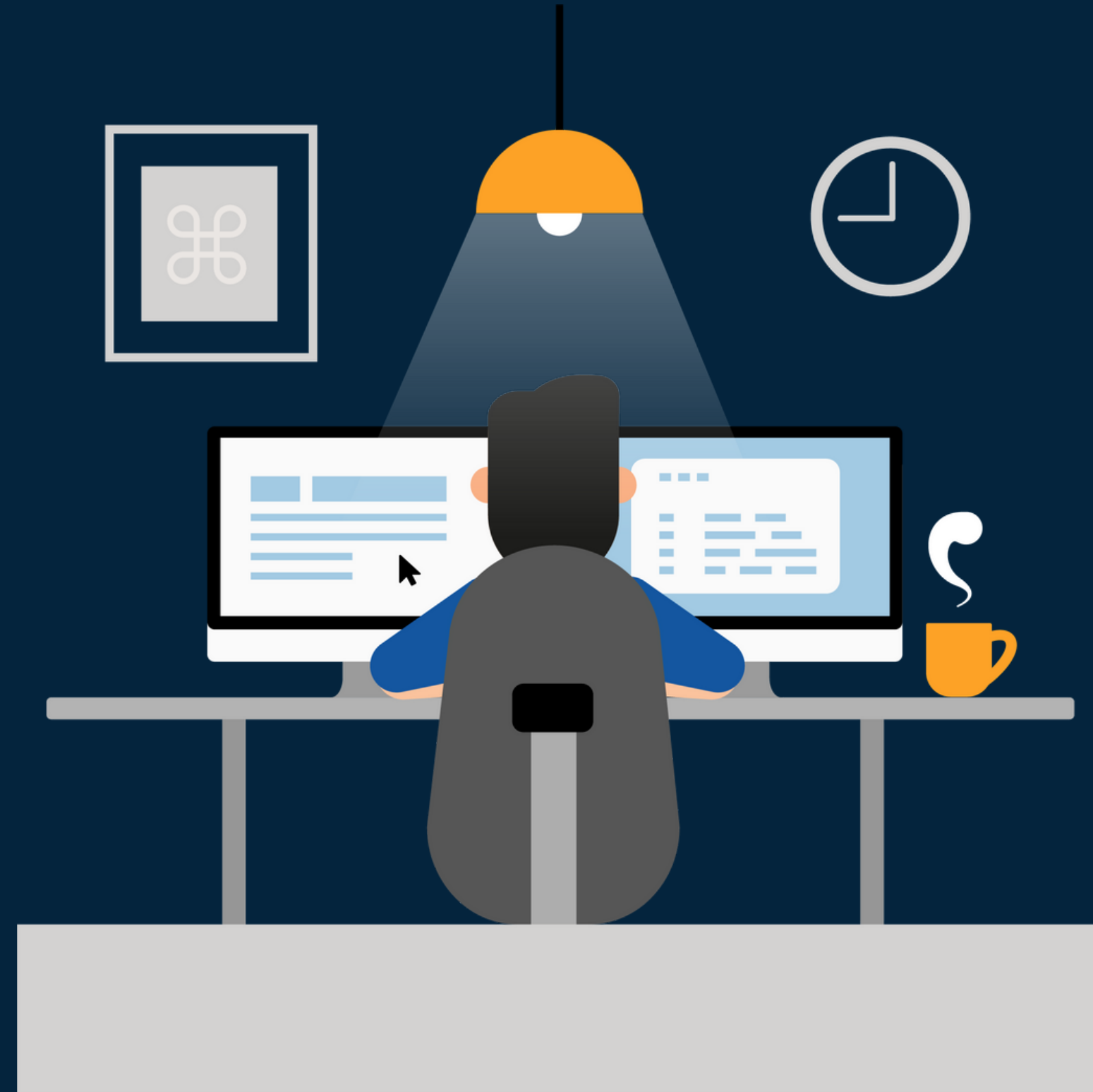


OPEN CV

REST api

Postman

Adobe XD



*Thank
You*