# NEXT GEN EMPLOYABILITY PROGRAM

## CREATING A FUTURE-READY WORKFORCE

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**College Name :**
IIT KHARAGPUR

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# CAPSTONE PROJECT SHOWCASE

Project Title

**Notes Sharing Web Application (FSWD)**

Abstract | Problem Statement | Project Overview | Proposed Solution | Technology Used | Modelling & Results | Conclusion | Q&A

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## Problem Statement

# Notes Sharing Web Application (FSWD)

https://github.com/codecomputercoder/Note-Sharing-App

## Abstract

The project aims to develop a comprehensive Notes Sharing App tailored specifically for academicians, leveraging the powerful Spring Boot framework for web development. This application seeks to address the challenges faced by academicians in accessing, organizing, and sharing educational materials and research resources efficiently.

## Project Overview

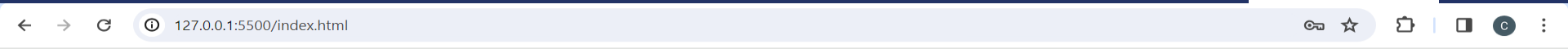
- **A Teacher can upload files/notes and also can see already available documents in the notes/files library.**
- **A Student can download the notes/files according to their need .**
- **During registration a user has to select his/her role with other credentials .**
- **After login the user will directly moved to the teacher or student page according to their role.**

## Proposed Solution

- Used JWT role based authentication to give only the authenticated users to access the Apis.
- Permission to only the teacher to upload files and both the teacher and student to download available files.
- ***POST /registration*** – register a user
- ***POST /genToken*** – login and get jwt token
- ***GET /files*** – show available files in library
- ***GET /files/{id}*** – download a particular file
- ***POST /uploadsinglefile*** – upload a file
- ***index.html***– registration page
- ***login.html***– login page
- ***admin.html*** – teacher page
- ***user.html***– student page

## Technology used

- Spring boot for Backend
- HTML, CSS, Bootstrap and JavaScript for Frontend




## User Registration

Username

Teacher1

Password

••••

Role

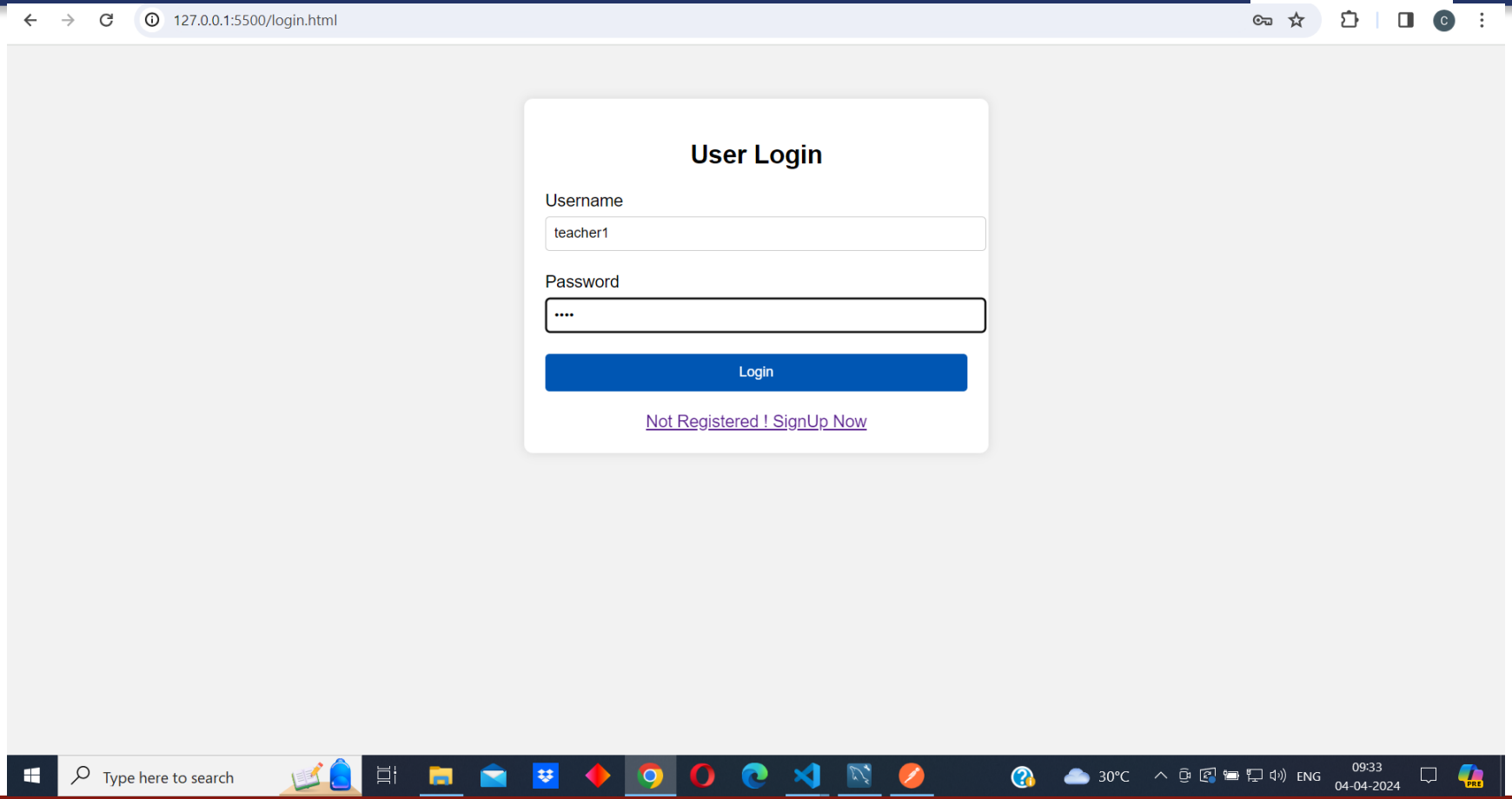
Teacher

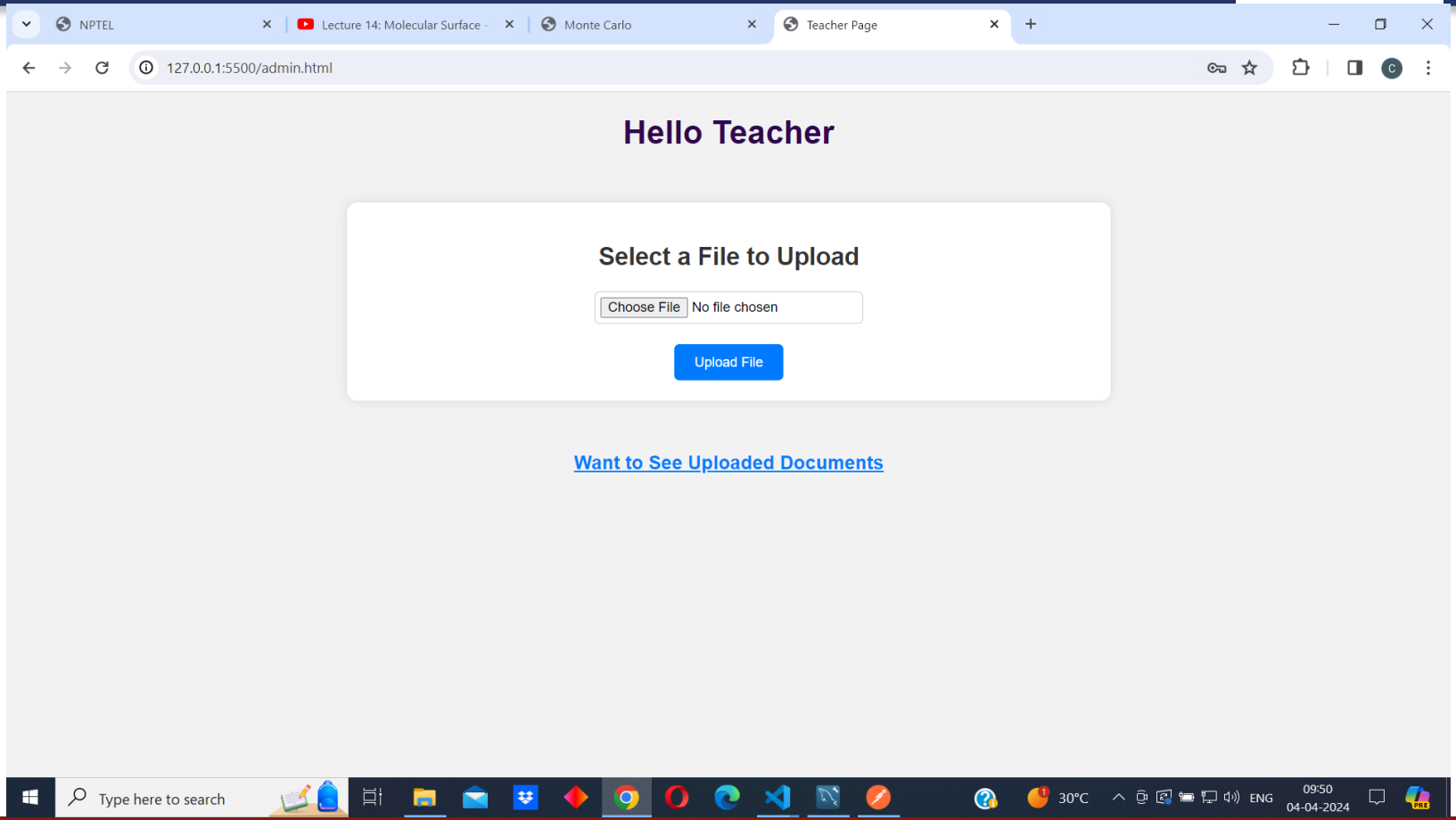
Email

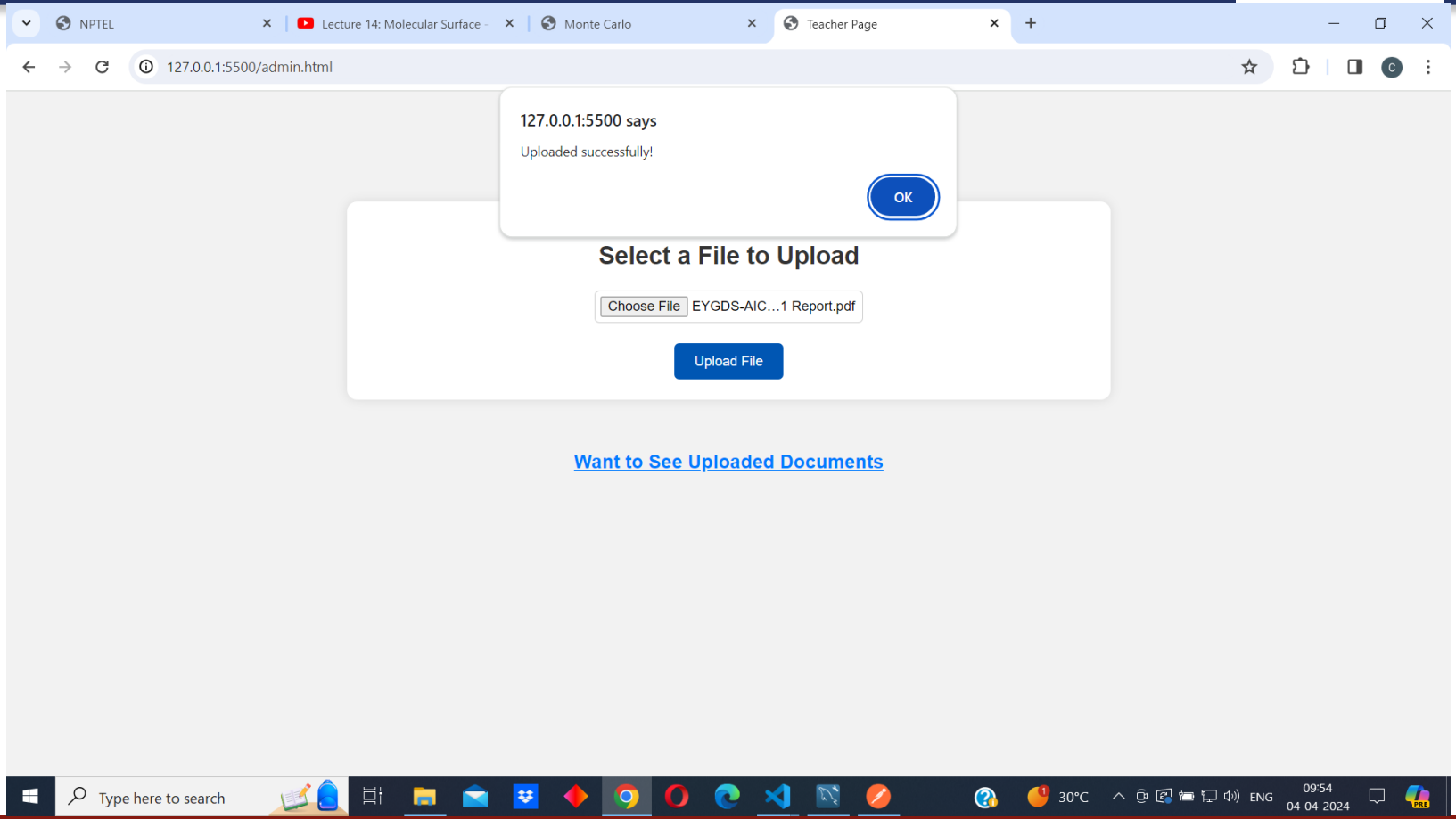
teacher1@example.com

Register

Already Registered! Click Here


127.0.0.1:5500/login.html
User Login
Username
teacher1
Password
Login
Not Registered ! SignUp Now
Type here to search
30°C
ENG
09:33
04-04-2024


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
Teacher Page
127.0.0.1:5500/admin.html
Hello Teacher
Select a File to Upload
Choose File
No file chosen
Upload File
Want to See Uploaded Documents
Type here to search
30°C
ENG
09:50
04-04-2024


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
Teacher Page
127.0.0.1:5500/admin.html
127.0.0.1:5500 says
Uploaded successfully!
OK
Select a File to Upload
Choose File
EYGDS-AIC…1 Report.pdf
Upload File
Want to See Uploaded Documents
Type here to search
30°C
ENG
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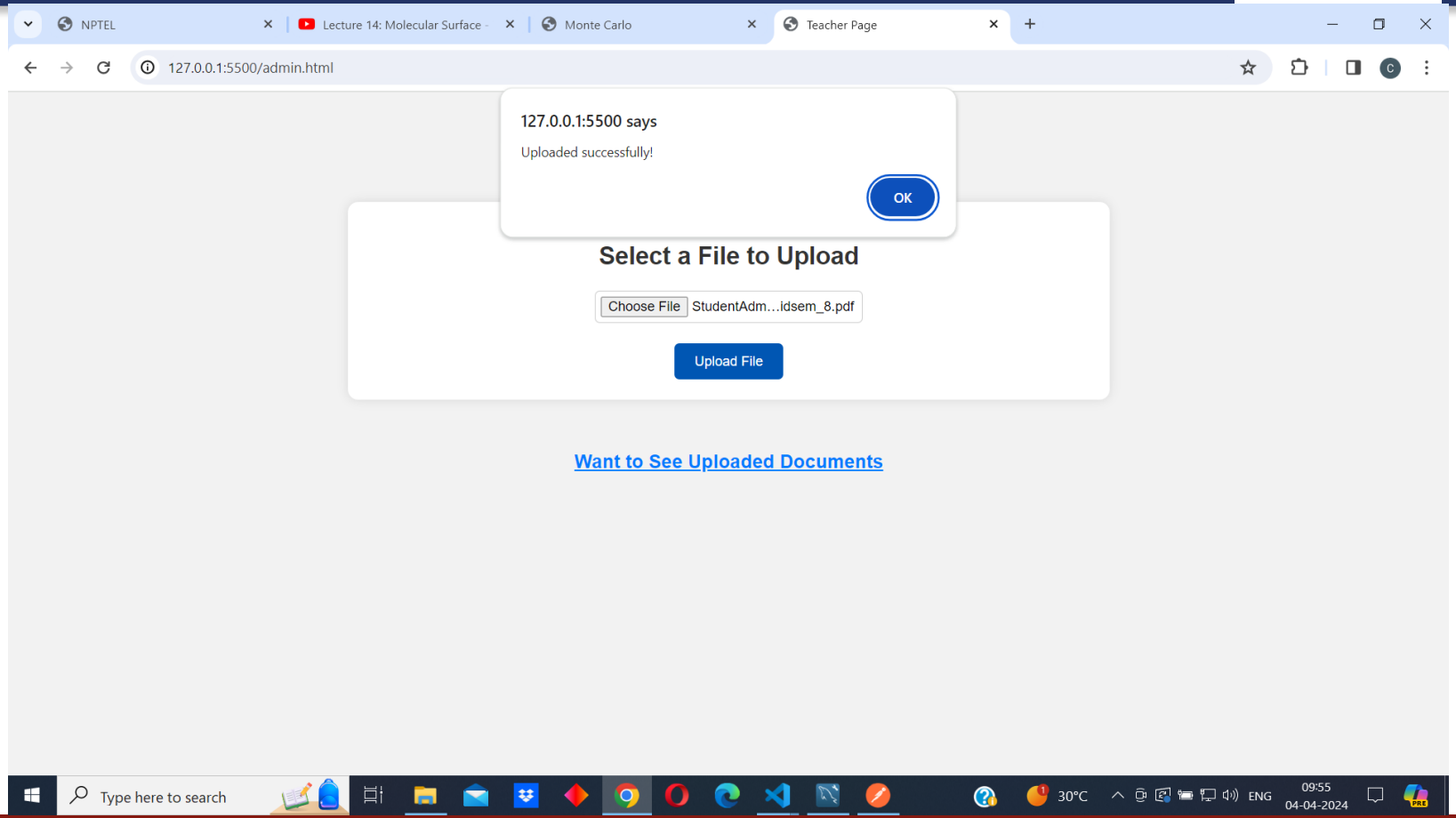
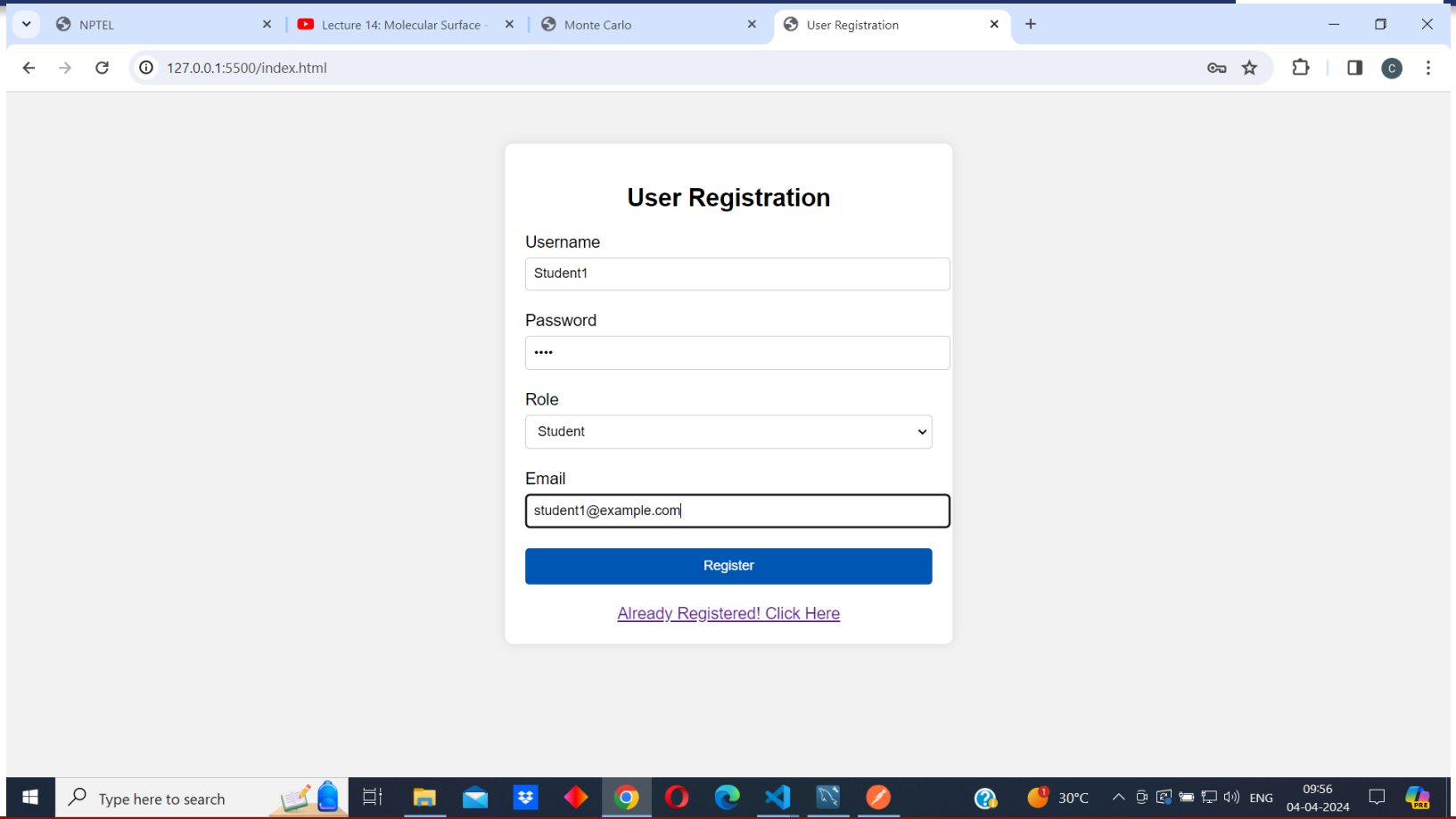
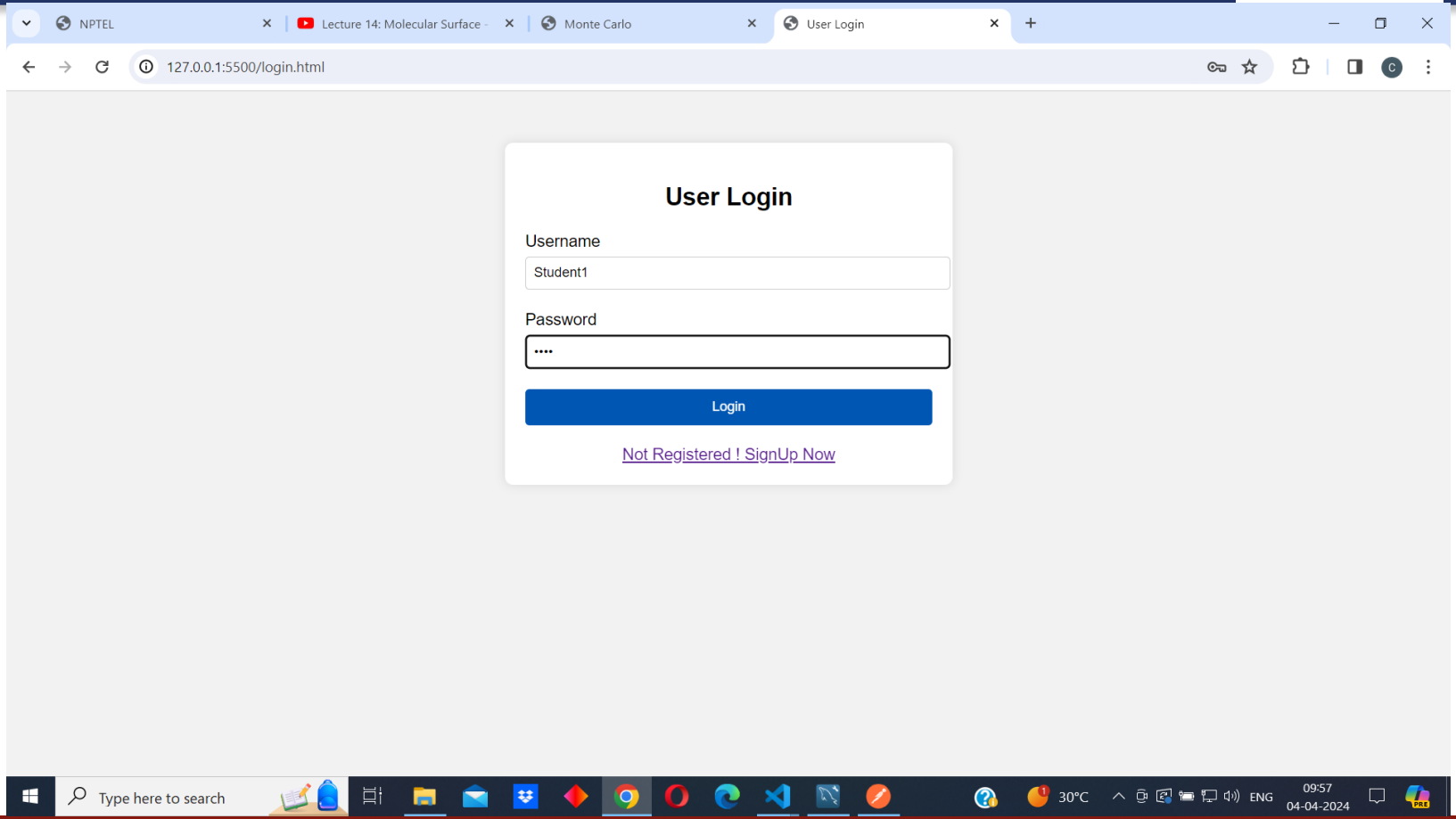
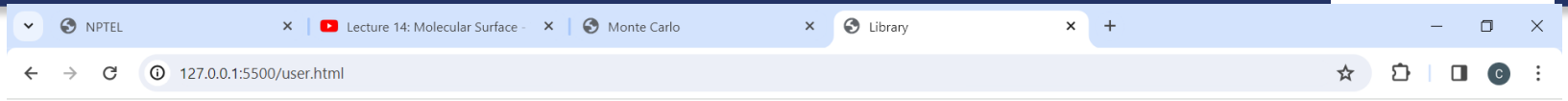
04-04-2024


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
Teacher Page
127.0.0.1:5500/admin.html
127.0.0.1:5500 says
Uploaded successfully!
OK
Select a File to Upload
Choose File StudentAdm…idsem_8.pdf
Upload File
Want to See Uploaded Documents
Type here to search
30°C
ENG
09:55
04-04-2024


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
User Registration
127.0.0.1:5500/index.html
User Registration
Username
Student1
Password
Role
Student
Email
student1@example.com
Register
Already Registered! Click Here
Type here to search
30°C
ENG
09:56
04-04-2024


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
User Login
127.0.0.1:5500/login.html
User Login
Username
Student1
Password
Login
Not Registered ! SignUp Now
Type here to search
30°C
ENG
09:57
04-04-2024




# Available Documents

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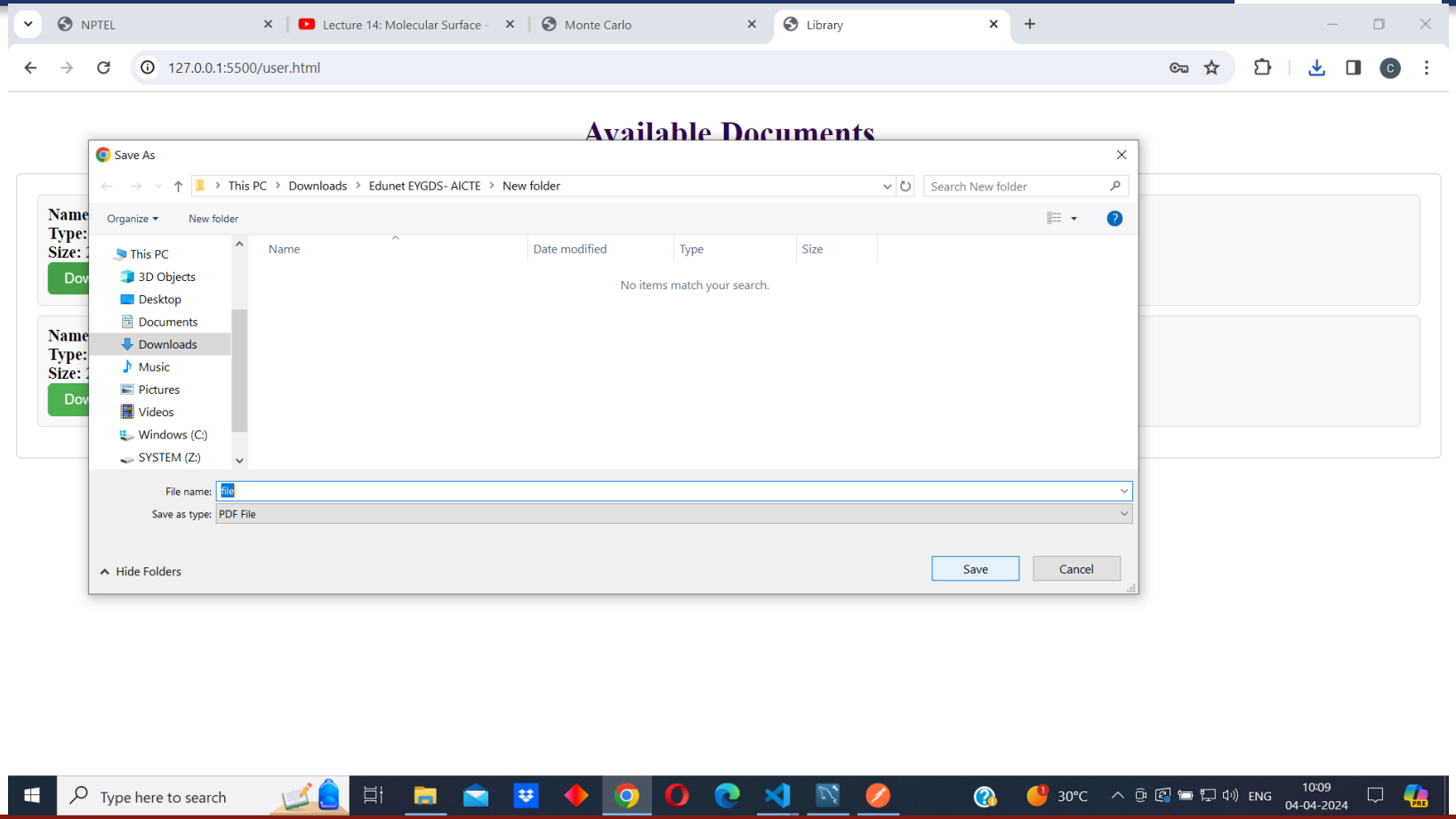
**Size:** 277780 bytes
Download

**Name:** StudentAdmitCard_midsem_8.pdf
**Type:** application/pdf
**Size:** 228032 bytes
Download


NPTEL
Lecture 14: Molecular Surface -
Monte Carlo
Library
127.0.0.1:5500/user.html
Available Documents
Name
Type:
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Name
Type:
Size:
Dow
Save As
This PC › Downloads › Edunet EYGDS- AICTE › New folder
Search New folder
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
SYSTEM (Z:)
Name
Date modified
Type
Size
No items match your search.
File name:
file
Save as type:
PDF File
Hide Folders
Save
Cancel
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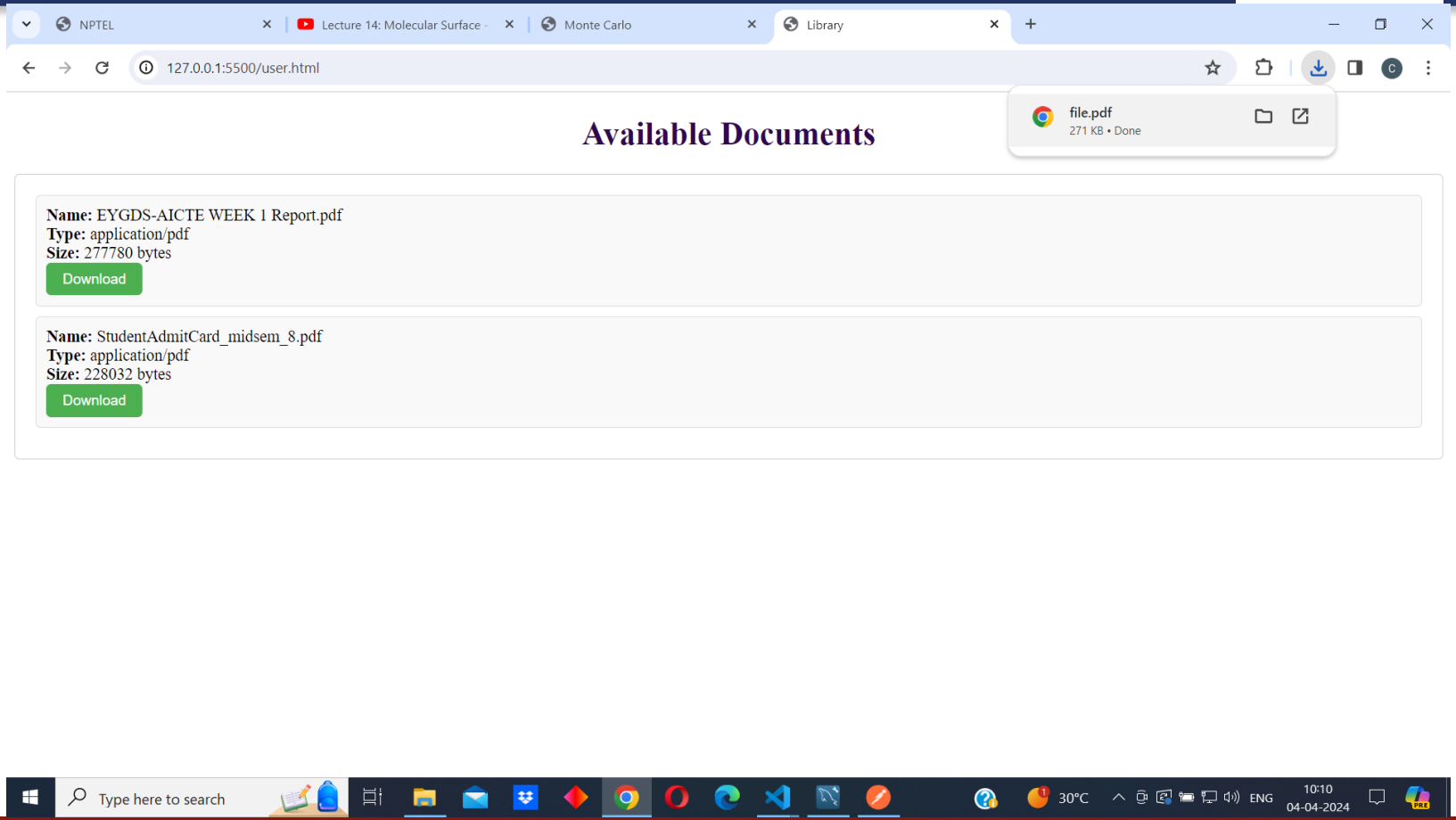
NPTEL
Lecture 14: Molecular Surface
Monte Carlo
Library
127.0.0.1:5500/user.html
file.pdf
271 KB • Done
Available Documents
Name: EYGDS-AICTE WEEK 1 Report.pdf
Type: application/pdf
Size: 277780 bytes
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Name: StudentAdmitCard_midsem_8.pdf
Type: application/pdf
Size: 228032 bytes
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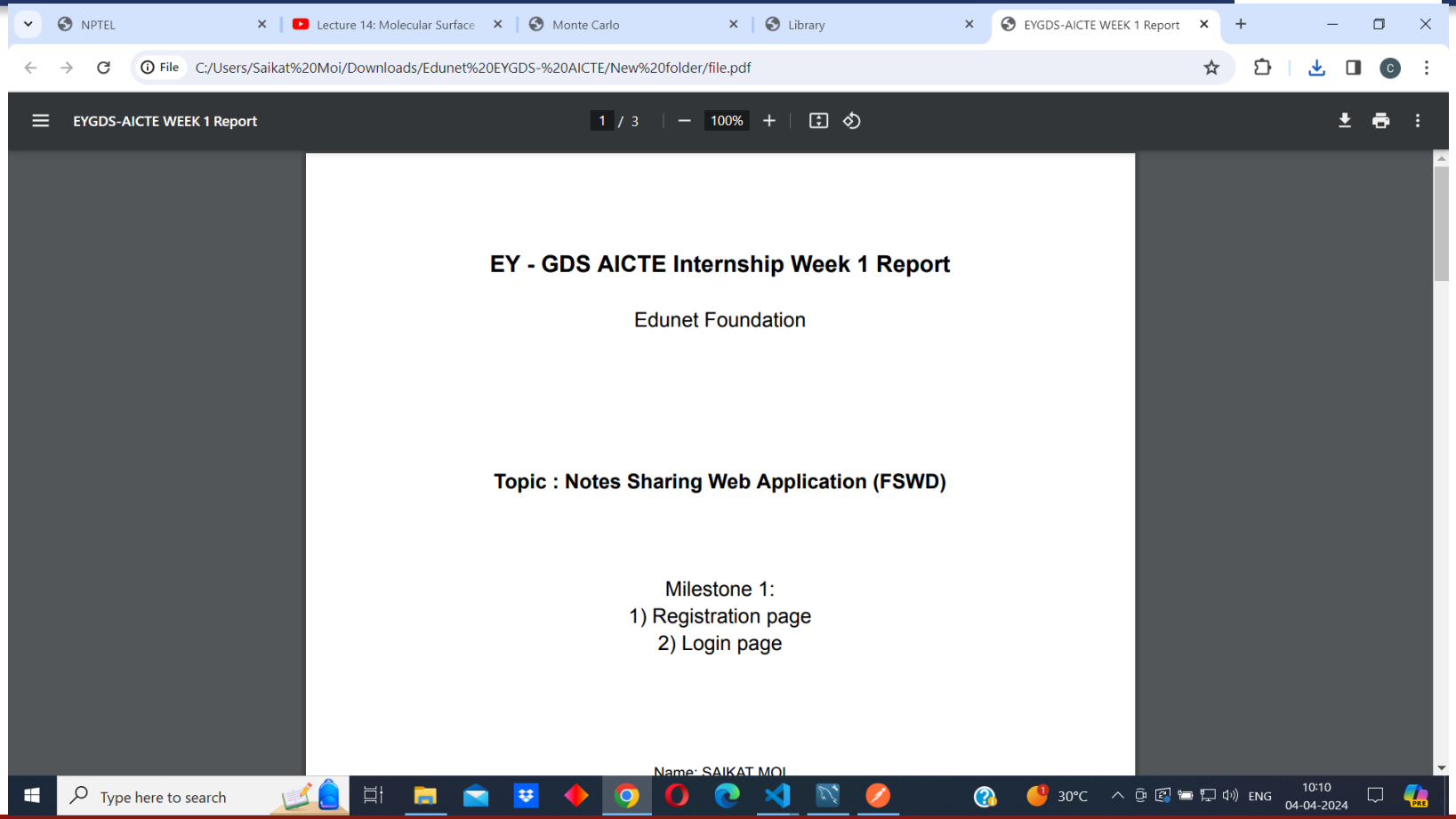
10:10
04-04-2024


NPTEL
Lecture 14: Molecular Surface
Monte Carlo
Library
EYGDS-AICTE WEEK 1 Report
File
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EYGDS-AICTE WEEK 1 Report
1 / 3
100%
EY - GDS AICTE Internship Week 1 Report
Edunet Foundation
Topic : Notes Sharing Web Application (FSWD)
Milestone 1:
1) Registration page
2) Login page
Name: SAIKAT MOI
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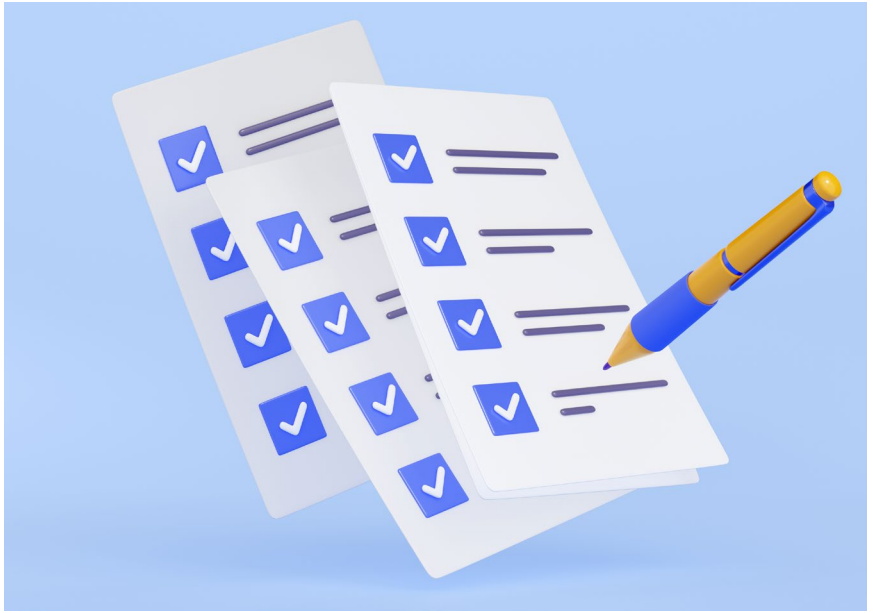
ENG
10:10
04-04-2024

## Conclusion

The Notes Sharing App, designed for academicians, streamlines access to educational resources by allowing teachers to upload materials and students to download them. Role-based registration ensures seamless navigation, directing users to either the teacher or student page upon login, while leveraging Spring Boot framework for efficient development and user-friendly interface.



# Thank you!

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