INTROBUDDY

Project Report

Submitted in partial fulfilment of the requirement of the degree of

MASTERS IN COMPUTER APPLICATIONS

to

K. R. Mangalam University

by

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CERTIFICATE

This is to certify that the Project Synopsis entitled, "**INTROBUDDY**" submitted by "**Suraj Saurav (2201560024), Simran Katariya (2201560034), Nikhil Kumar (2201560039), Abhishek Pathak (2201560041)"** to **K.R Mangalam University, Gurugram, India,** is a record of bona fide project work carried out by them under my supervision and guidance and is worthy of consideration for the partial fulfilment of the degree of **Masters** in **Computer Applications** of the University.

Signature
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Date: 28th NOVEMBER 2023

INDEX

S.no.	Title	Page no.
1	Abstract	4
2	Introduction	5
3	Motivation	7
4	Literature Review	8
5	Analytical Trends	10
6	Problem Statement	12
7	Proposed Solution	12
8	Objectives	13
9	Target Audience	13
10	Methodology	14
11	Results and Discussions	15
12	Future Work	28
13	Conclusion	28
14	Coding Implementation	29
15	Annexure (Responsibility Chart)	37
16	References	37

ABSTRACT

In an era where connectivity defines our interactions, envision a transformative platform seamlessly amalgamating notes sharing and video conferencing, poised to redefine the educational and professional landscape for students, friends, job seekers, and employers alike. This visionary platform heralds a new era of collaboration and learning.

For students, it serves as an expansive reservoir of knowledge where notes, resources, and insights flow freely. With peer-to-peer help at its core, it fosters a community-driven approach to learning, empowering students to engage in vibrant discussions, share study materials, and collaborate effortlessly. Friends, irrespective of geographic distances, converge in a digital space, facilitating a collective journey toward academic excellence.

For job seekers, this platform presents an invaluable asset in their quest for career advancement. A repository brimming with job interview preparation materials, encompassing tips, mock interviews, and industry-specific guidance, aids in honing their skills. The immersive video conferencing feature allows them to simulate interviews, gaining practical experience and confidence in a supportive environment.

Employers, on the other hand, find in this platform a streamlined recruitment tool. They interact with potential candidates via video conferencing, assessing their skills firsthand. Admins wield interactive controls, ensuring a secure and organized space, managing user interactions, and facilitating seamless connectivity. The platform converges user interaction and administrative management, creating a versatile space beyond communication. It fosters a symbiotic ecosystem for learning, preparation, and professional growth within a dynamic landscape.

This integrated platform transforms experiences for students, friends, job seekers, and employers, nurturing collaborative spaces where technology shapes education, relationships, and careers. More than a note-sharing or video conferencing tool, it empowers individuals, bridging the gap between preparation and success in competitive job interviews through its collaborative environment.

KEYWORDS: Notes sharing, Video conferencing, Mock interviews, Python, Django

INTRODUCTION

Education stands as the quintessential modern tool, transcending conventional boundaries to sculpt individuals into adaptable, informed, and empowered citizens. In today's dynamic landscape, education extends beyond classroom walls, permeating daily life as a catalyst for personal growth, societal progress, and professional success. It equips individuals with critical thinking, problem-solving skills, and a lifelong thirst for knowledge, empowering them to navigate complexities, adapt to rapid changes, and contribute meaningfully to their communities. Moreover, education serves as a cornerstone for innovation, fostering a culture of continuous learning and technological advancement that shapes industries, propels economies, and drives global evolution. As a transformative force, education fuels aspirations, bridges disparities, and cultivates a world where opportunities abound, making it an indispensable modern-day tool essential for individual fulfilment and collective advancement.

The emergence of collaborative notes sharing and video conferencing platforms represents a pivotal evolution in modern education and professional preparation. These tools have redefined the landscape by transcending geographical constraints and temporal limitations, fostering seamless collaboration and immersive learning experiences. Collaborative notes sharing platforms have democratized access to knowledge, enabling students and professionals to curate, share, and collectively build upon vast repositories of information, enhancing comprehension and expanding learning horizons beyond traditional classroom settings. On the other hand, video conferencing mock interview preparation platforms have revolutionized professional readiness by simulating real-world scenarios, offering individuals the opportunity to refine their communication skills, receive feedback, and gain practical experience in a controlled environment. Together, these platforms have transformed education and career preparation by fostering inclusivity, empowering personalized learning journeys, and bridging the gap between theoretical knowledge and practical application, thereby shaping a generation adept at navigating the complexities of the modern world.

INTROBUDDY, as a comprehensive peer-to-peer notes sharing, downloading, video conferencing, and mock interview preparation platform, embodies the forefront of modern education's evolution. This innovative tool revolutionizes traditional learning paradigms by amalgamating collaborative note-sharing features, enabling seamless access to a wealth of collective knowledge curated by peers. The platform's interactive interface fosters a culture of learning and collaboration, transcending geographical

limitations and empowering users to engage in vibrant discussions, exchange insights, and collectively enhance their understanding.
Moreover, INTROBUDDY's integration of video conferencing capabilities elevates its role in modern education by providing a simulated environment for mock interviews. This feature facilitates practical skill development, offering users the chance to refine their communication, critical thinking, and problem-solving abilities within lifelike interview scenarios. Through personalized feedback and immersive experiences, users gain invaluable insights and confidence, preparing them effectively for professional endeavours in the competitive job market.

The future of INTROBUDDY in education holds a promise of continued innovation and transformative advancements, propelling the platform to serve as an indispensable cornerstone of modern learning. Anticipating further developments, INTROBUDDY is poised to integrate AI-driven adaptive learning, personalized study pathways, and augmented reality interfaces, revolutionizing how students access and interact with educational content. The platform will evolve into an intelligent companion, leveraging machine learning algorithms to curate tailored study materials, offer individualized learning experiences, and provide real-time feedback to enhance academic performance. Additionally, INTROBUDDY aims to expand its global reach, fostering cross-cultural collaborations and enabling seamless connections among students, educators, and professionals worldwide. As it continues to evolve, INTROBUDDY is set to redefine education, empowering learners with cutting-edge tools for holistic growth, personalized skill development, and unparalleled academic success.

As education continues its shift beyond traditional classroom boundaries, INTROBUDDY emerges as a dynamic tool that not only facilitates collaborative learning but also bridges the gap between academic knowledge and real-world application. By fostering a symbiotic ecosystem for both educational enrichment and professional growth, INTROBUDDY embodies the essence of modern education's evolution—a convergence of technology, peer interaction, and practical skill development, shaping individuals equipped for success in an ever-changing global landscape.

MOTIVATION

The motivation to pioneer INTROBUDDY emerged from a meticulous observation of the inadequacies entrenched within contemporary educational technologies. These limitations, including disjointed note-sharing platforms scattered across various applications, the lack of immersive interactivity within virtual learning environments, and the absence of comprehensive tools catering to practical skill development, formed the impetus for innovation. The realization that learners encountered barriers in accessing cohesive, collaborative, and practical learning experiences fueled the conception of INTROBUDDY. The vision was to transcend these deficiencies by crafting a unified ecosystem that seamlessly amalgamates diverse educational facets. INTROBUDDY was designed as a holistic solution, converging collaborative note-sharing mechanisms, lifelike video conferencing capabilities tailored for mock interviews, and robust peer-to-peer interactions into a single, user-friendly interface.

The platform's creation aimed beyond mere rectification of these inadequacies; it aspired to serve as a catalyst for educational evolution. INTROBUDDY's ambition extended to leveraging cutting-edge technologies to personalize learning journeys, fostering a cohesive blend between theoretical knowledge and hands-on application. The envisioned outcome was not just a remedy for existing shortcomings but a dynamic force poised to shape the future of education. INTROBUDDY sought to cultivate a global community of learners, transcending geographical boundaries, and nurturing an inclusive environment where individuals from diverse backgrounds could collaborate, learn, and grow collectively. This endeavour was deeply rooted in the conviction that education should adapt to the needs of an ever-evolving world, empowering learners to excel academically and professionally while embracing the dynamic challenges of the future.

LITERATURE REVIEW

Empowering Education Through Collaborative Note Sharing

Notes sharing stands as a transformative learning tool, fostering a collaborative ecosystem that transcends traditional educational boundaries. It empowers learners by facilitating the exchange of diverse perspectives, insights, and knowledge among peers. Beyond serving as a repository of information, notes sharing cultivates an environment where students engage in active discussions, clarify doubts, and co-create comprehensive resources. This interactive process not only enhances comprehension but also nurtures critical thinking skills, encourages collaborative learning, and promotes a sense of collective ownership in the learning process. Notes sharing, in its essence, harnesses the collective intelligence of a community, enabling individuals to leverage each other's strengths and perspectives, ultimately enriching the educational experience and preparing learners for the complexities of the modern world. [1]

Enhancing Interviews with Virtual Simulations

Video conferencing emerges as an immersive and indispensable platform for mock interview preparation, offering a dynamic and lifelike environment for individuals to refine their professional skills. This interactive tool transcends geographical limitations, enabling participants to engage in simulated interview scenarios remotely. Through real-time face-to-face interactions, candidates can practice articulating their thoughts, refine their communication skills, and receive constructive feedback, replicating the pressures of an actual interview setting. The platform's capability to provide personalized, real-world experiences equips individuals with the confidence, adaptability, and resilience necessary to navigate the competitive landscape of job interviews, fostering invaluable practical skills essential for professional success. [2]

Comprehensive Exam Preparation Through Collaboration

Integrating a note sharing and video conferencing platform for exam preparation offers students a comprehensive and interactive approach to enhance their readiness. The platform enables students to collaboratively create study materials, consolidate notes, and exchange insights with peers, fostering a deeper understanding of the subject matter. Additionally, utilizing video conferencing functionalities allows for virtual study sessions where students can engage in live discussions, pose questions, and receive immediate clarification on complex topics. These sessions can also facilitate peer teaching, allowing students to explain concepts to each other,

reinforcing their understanding. Moreover, conducting mock exams or review sessions through video conferencing helps simulate the exam environment, reducing anxiety and boosting confidence. It provides an opportunity for students to practice time management, refine their answers, and receive feedback from peers, thereby enhancing their exam preparedness in a supportive and collaborative setting. [3]

Empowering Job Seekers Through Preparation

A note sharing and interactive video conferencing mock interview preparation platform serves as a transformative aid for job seekers, offering multifaceted support in their quest for professional success. Through collaborative note-sharing functionalities, individuals access a wealth of curated resources, industry insights, and interview preparation materials, augmenting their knowledge base and refining their understanding of the job market's demands. The integrated video conferencing feature provides a simulated interview environment, allowing candidates to practice and refine their responses, hone their communication skills, and receive constructive feedback from peers or mentors. This immersive preparation not only boosts confidence but also cultivates adaptability, ensuring job seekers are well-equipped to navigate and excel in real-world interview scenarios, ultimately enhancing their employability and prospects in a competitive job market. [4]

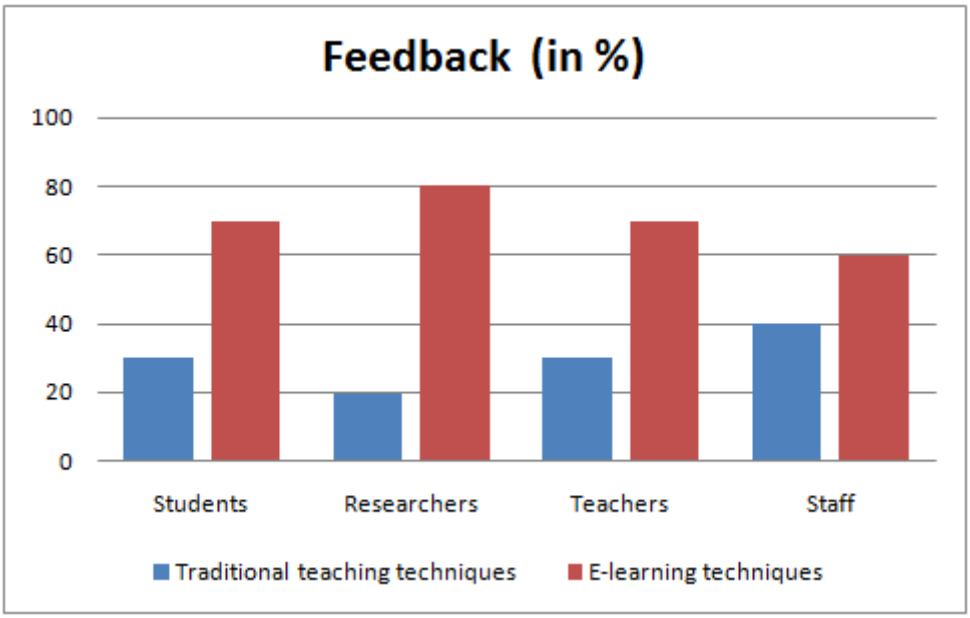
Enriching Education through Peer Collaboration

Peer-to-peer interaction stands as a cornerstone of enriched education, fostering a myriad of benefits that extend beyond traditional learning paradigms. This collaborative engagement cultivates a dynamic environment where students actively participate, share ideas, and collectively construct knowledge. Through peer interactions, individuals gain diverse perspectives, refine their critical thinking skills, and develop a deeper understanding of concepts. Moreover, it nurtures a sense of camaraderie and mutual support, encouraging students to collaborate, communicate effectively, and learn from each other's strengths and experiences. Peer-to-peer interaction not only enhances academic learning but also nurtures social and emotional skills, preparing students for collaborative endeavours and equipping them with essential life skills indispensable for their future endeavours. [5]

ANALYTICAL TRENDS

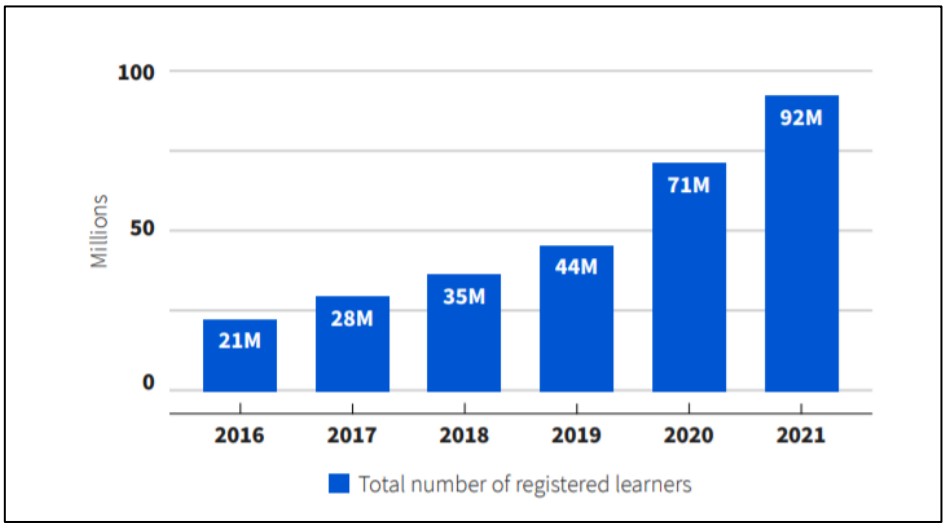
Graph 1 depicts the feedback from students, researchers, teachers, and staff unanimously favouring e-learning platforms over traditional teaching methods. Students value the flexibility and interactive nature, researchers highlight the wealth of resources, teachers praise the innovative tools and personalized experiences, while administrative staff emphasize efficiency and adaptability. Collectively, this consensus underscores e-learning's superiority in delivering comprehensive, engaging, and adaptable educational experiences compared to traditional methods.

Graph 1: E-learning's unanimous favour: highlighting its superior educational delivery over traditional methods.

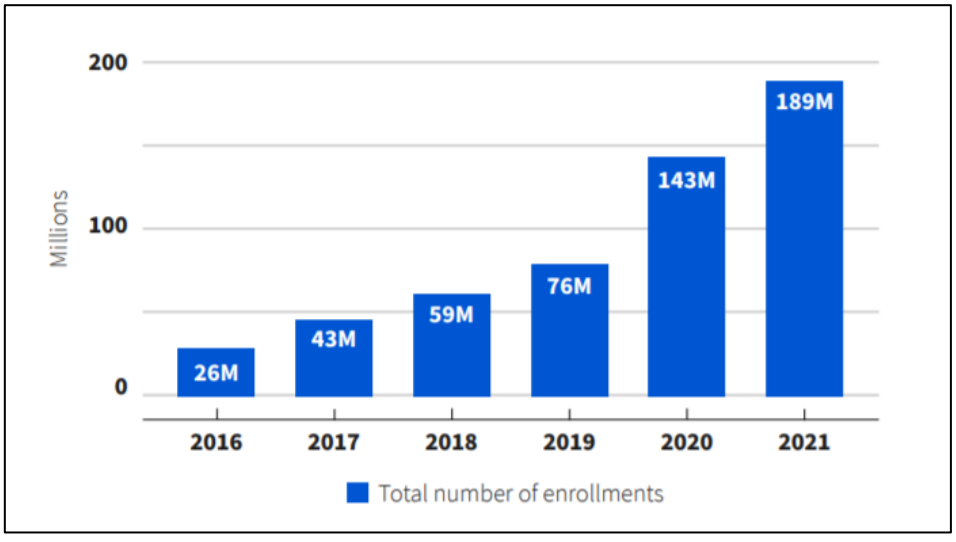


Graph 2 and Graph 3 depicts compelling narrative of the substantial rise in registered learners and enrollments on educational platforms, marking a pronounced shift towards online learning. This upward trajectory reflects a burgeoning trust and preference for digital education, showcasing platforms' adaptability to diverse global learning needs. These escalating numbers underscore the platforms' effectiveness in reshaping modern education, offering accessible and adaptable learning opportunities that cater to a widening global audience. Overall, these trends highlight the pivotal role of e-learning platforms in shaping and redefining the contemporary educational landscape.

Graph 2: Rising registered learners signify a global shift to online education and e-learning platforms over the many years.



Graph 3: Persistent surge in e-learning enrolments and online educational platforms over the many years.



PROBLEM STATEMENT

The prevailing challenge for students and professionals lies in the quest for streamlined, efficient collaboration methods and adequate preparation avenues for significant milestones. Current practices, predominantly relying on conventional modes like email exchanges and in-person meetings, present inherent limitations in their efficacy and efficiency. Email correspondence often leads to fragmented communication, delays in responses, and difficulties in tracking collaborative efforts, impeding seamless knowledge sharing and hindering effective teamwork. Similarly, in-person meetings, while valuable, pose constraints of time and geographical proximity, often proving impractical for frequent or urgent collaboration needs. These traditional methods not only consume valuable time but also lack the adaptability and accessibility required in today's fast-paced, globalized world. As a result, there's a critical need for alternative solutions that transcend these limitations, providing a more efficient, agile, and accessible framework for collaborative knowledge sharing and preparation efforts among students and professionals.

PROPOSED SOLUTION

The proposed solution introduces a groundbreaking platform, INTROBUDDY, designed to address the challenges faced by students and professionals in collaborative knowledge sharing and interview preparation. INTROBUDDY is an innovative platform that revolutionizes collaborative learning and interview preparation for students and professionals. Offering a unified solution, it combines notes sharing, interactive video conferencing, and mock interview practice, empowering users with seamless real-time document sharing, live video conferences, and diverse mock interview opportunities. This platform redefines mentorship by simplifying the scheduling of mock interviews via a user-friendly interface and email confirmations, fostering shared knowledge through collaborative note-sharing. By breaking geographical barriers, INTROBUDDY facilitates personal and professional development globally, catering to diverse needs with its comprehensive features. INTROBUDDY stands as an all-in-one solution, revolutionizing learning, collaboration, and skill enhancement. It signifies a new era in education and collaboration, offering a transformative tool that nurtures growth, connectivity, and success in both academic and professional pursuits.

OBJECTIVES

1. Platform Interface: The platform ensures a seamless interview scheduling process through a user-friendly video interface, streamlining interactions for users.

2. Automated Notifications: Utilizing automated email notifications, the system enhances communication and confirmation, ensuring efficient and timely correspondence between parties.

3. Real-Time Collaboration: Enabling real-time note sharing and collaborative capabilities, the platform fosters collaboration before, during, and after interviews, creating a dynamic and shared workspace.

4. Productivity Tools: Through productivity-enhancing features, it boosts efficiency during the interview and assessment phases, optimizing the overall process.

5. Comprehensive Interaction: Providing a complete solution, it caters to both interviewers and candidates, facilitating successful interactions and ensuring a holistic experience for all involved parties.

TARGET AUDIENCE

The platform caters to a wide-ranging audience, encompassing:

- Students: Regardless of age or educational level, providing a versatile learning and collaboration environment.
- Professionals: Supporting ongoing skill enhancement and knowledge sharing throughout different career stages.
- Job Seekers: Offering resources and mock interview practice to boost interview preparedness.
- HR Professionals and Hiring Managers: Facilitating seamless interview processes, candidate management, and collaborative assessment.
- Interview Panels: Supporting effective coordination and evaluation during interview procedures.
- Educational Institutions: Providing collaborative tools for teaching and learning purposes.

- Webinar/Workshop Hosts: Offering a platform conducive to interactive and engaging sessions, enhancing communication and learning outcomes across varied training settings.

METHODOLOGY

Programming Languages	Database	Frameworks	API's	Tools
• HTML5 • CSS3 • JavaScript • Python	• MySQL	• Bootstrap • Tail Wind • Django	• Zego Cloud	• Microsoft Visual Studio • MySQL Workbench

- Programming Language Used: Python

We have used Python language as it is relatively new as compared to other languages like Java, C++, etc and comes with so many features. We can perform Machine Learning, Computer Vision, Artificial Intelligence, etc with python and construction of GUI application is also easily achieved in Python.

Python is a widely used general-purpose, high level programming language. It was created by Guido van Rossum in 1991 and further developed by the Python Software Foundation. It was designed with an emphasis on code readability, and its syntax allows programmers to express their concepts in fewer lines of code. Python is a programming language that lets you work quickly and integrate systems more efficiently. There are two major Python versions: Python 2 and Python 3

Reasons for Selecting this language:

1. Short and Concise Language.
2. Easy to Learn and use.
3. Good Technical support over Internet
4. Many Packages for different tasks.
5. Run on Any Platform.
6. Modern and OOP language

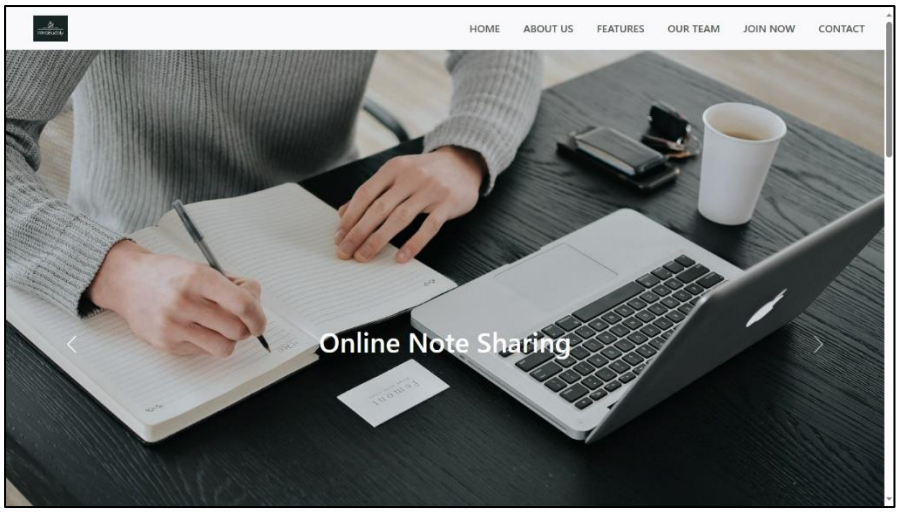
- Software Requirements

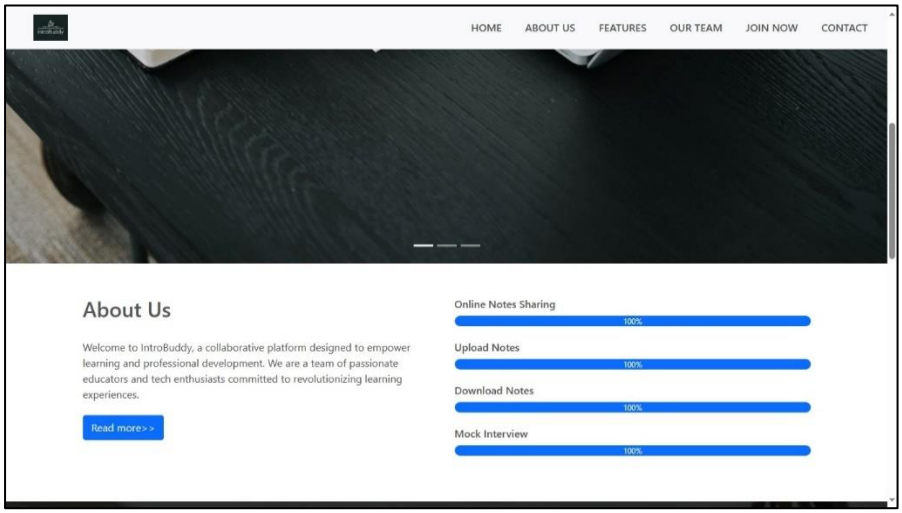
Below are the requirements to run this software :

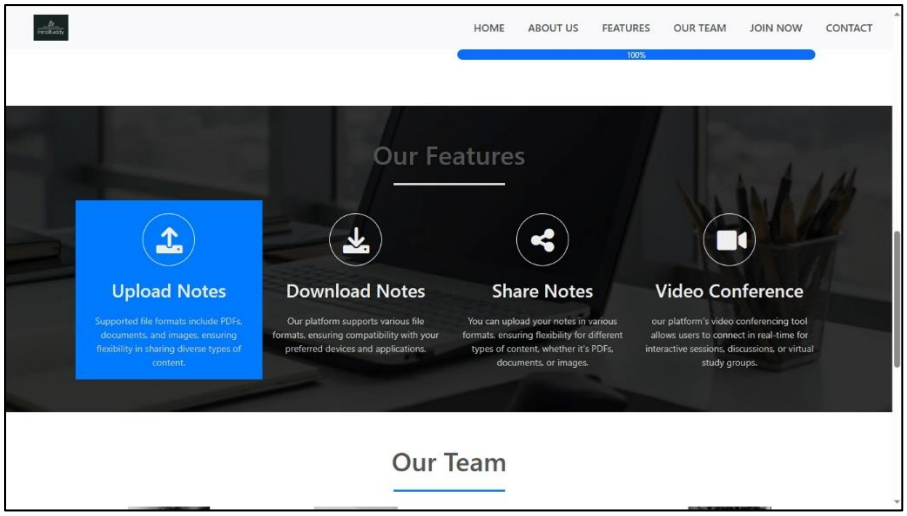
1. Windows/Linux/Mac OS any version, hence it can run on any platform.
2. Python3, it needs python to be installed in system to run successfully.

RESULTS AND DISCUSSIONS

- GUI INTERFACE



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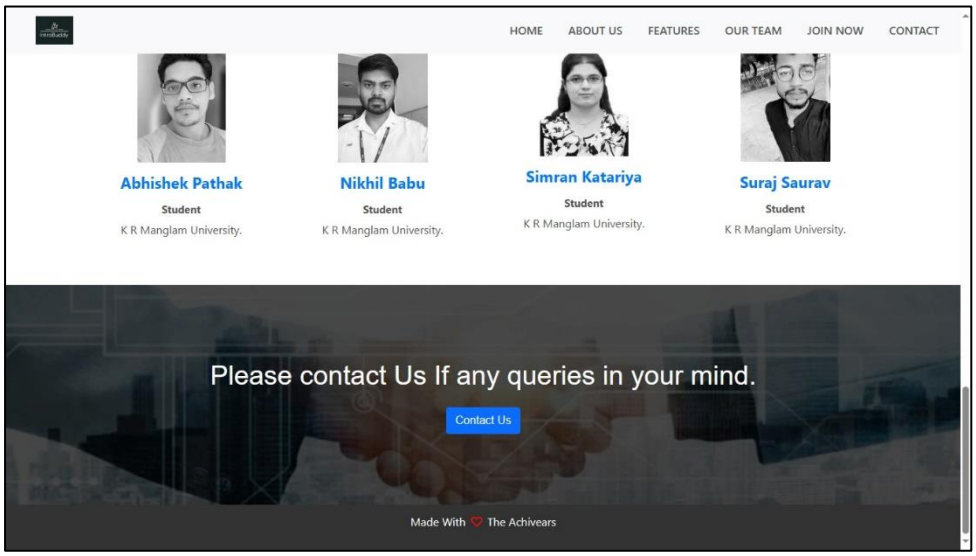
Video Conference
our platform's video conferencing tool allows users to connect in real-time for interactive sessions, discussions, or virtual study groups.
Our Team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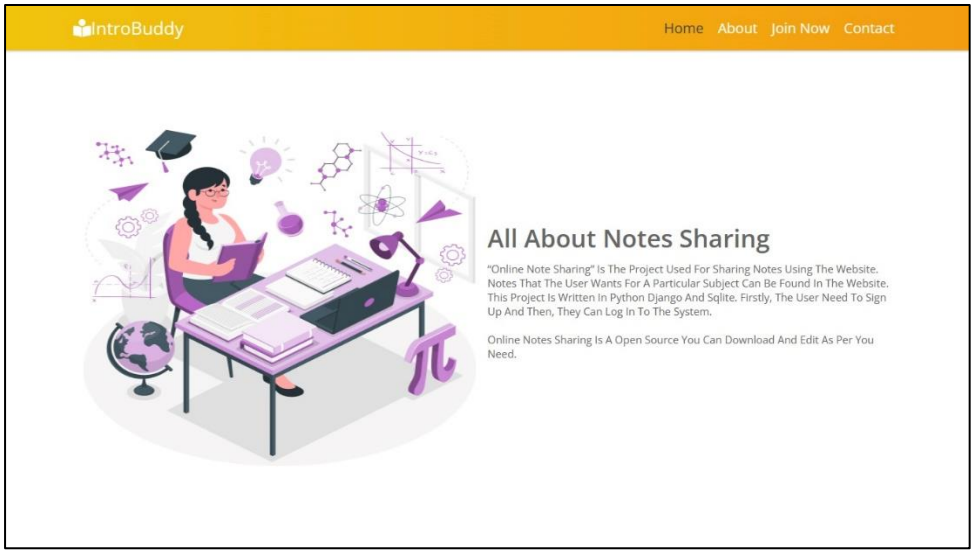
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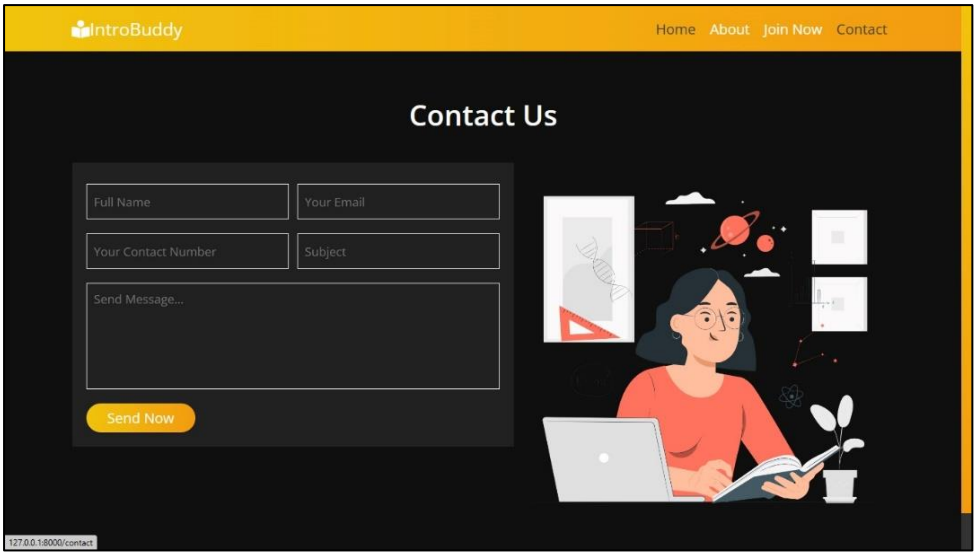
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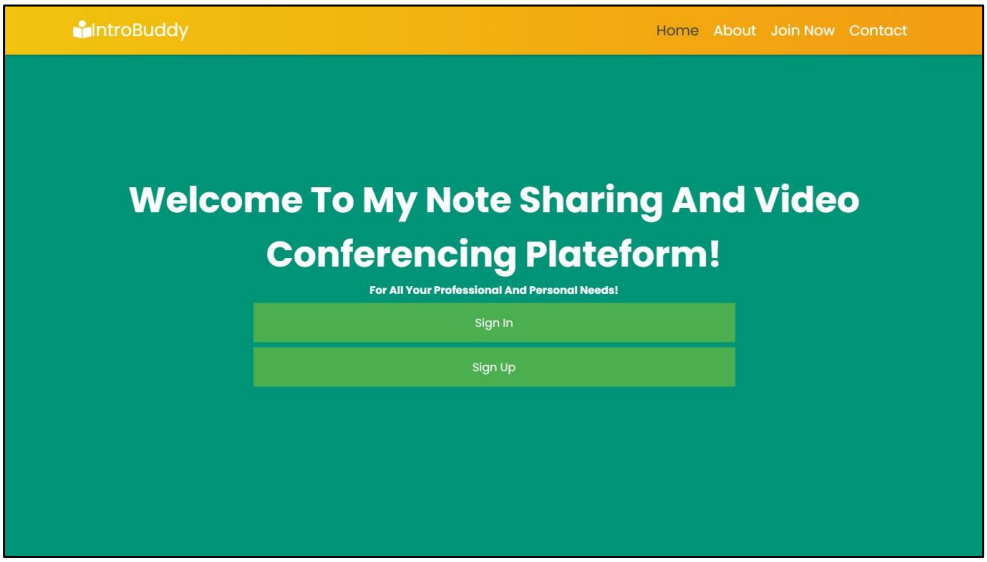
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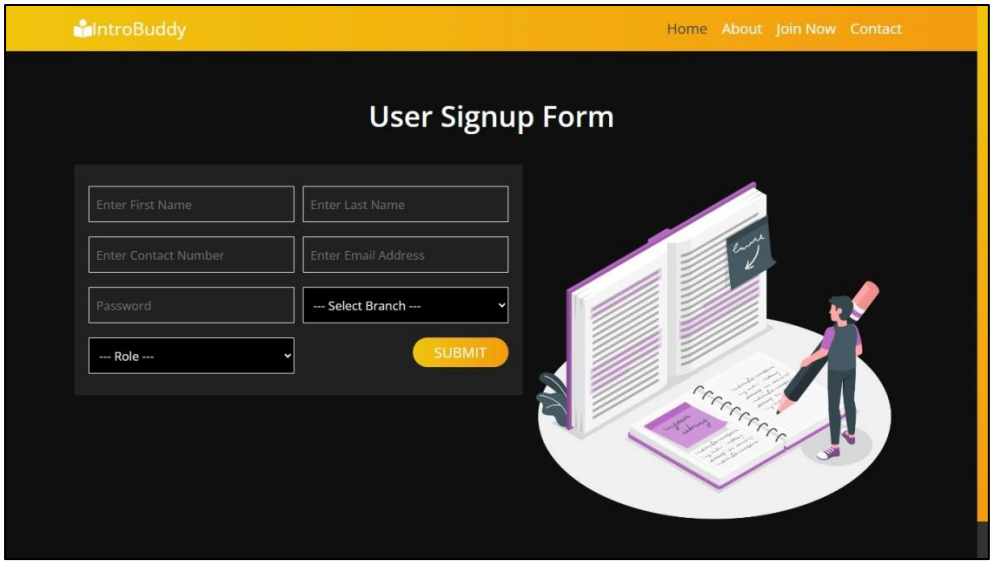
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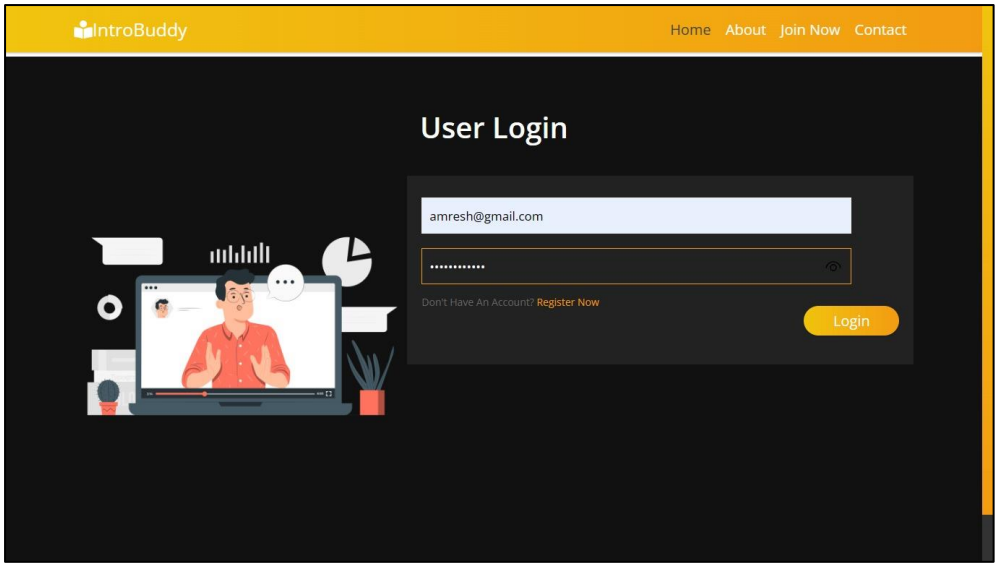
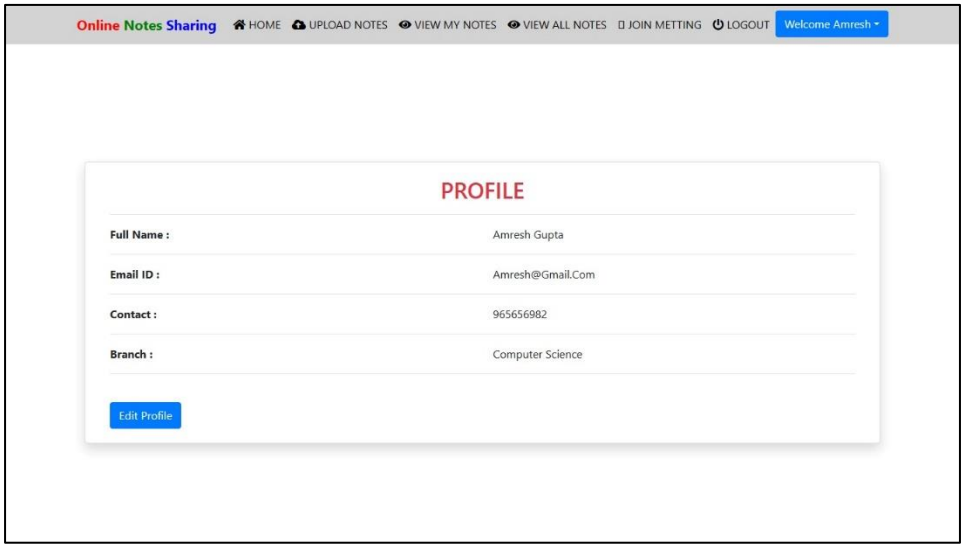
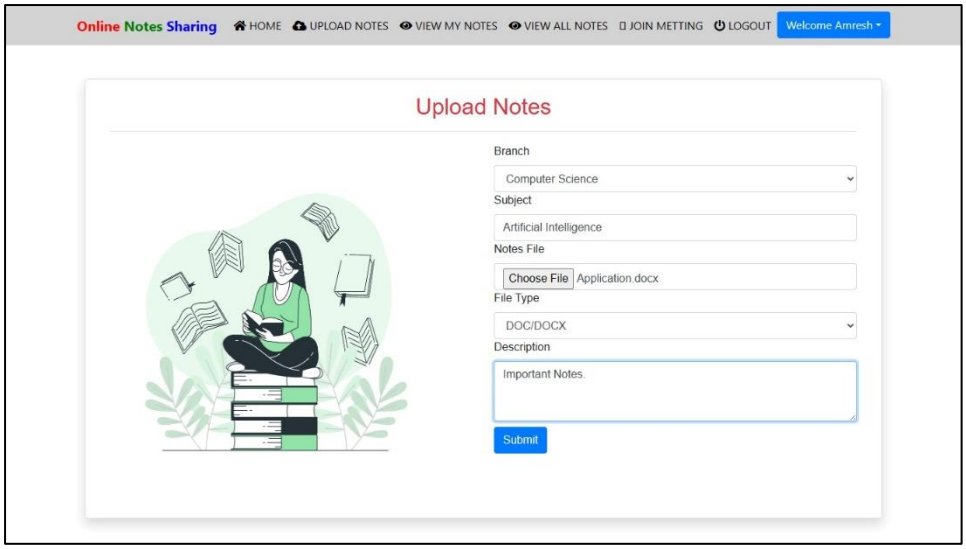


- NOTES SHARING INTERFACE

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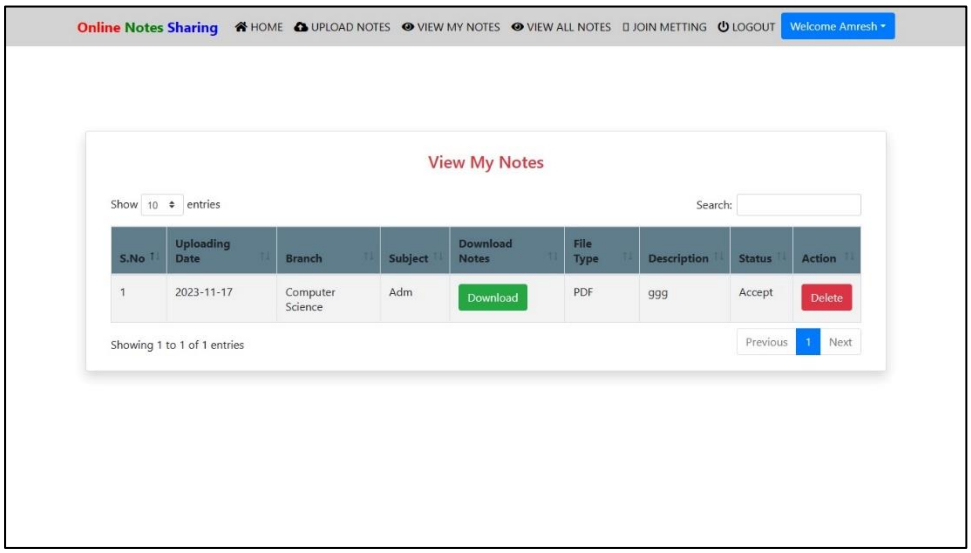
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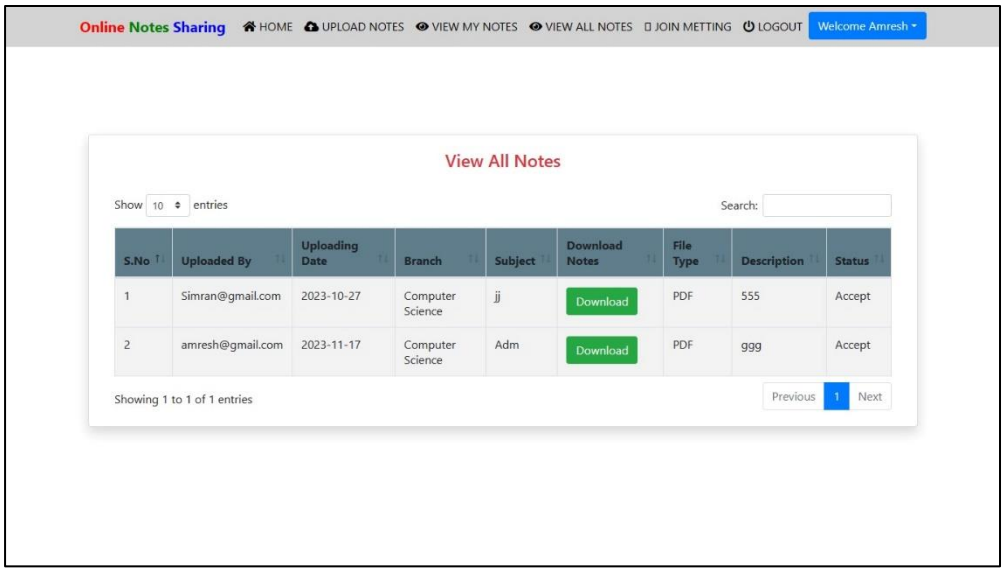
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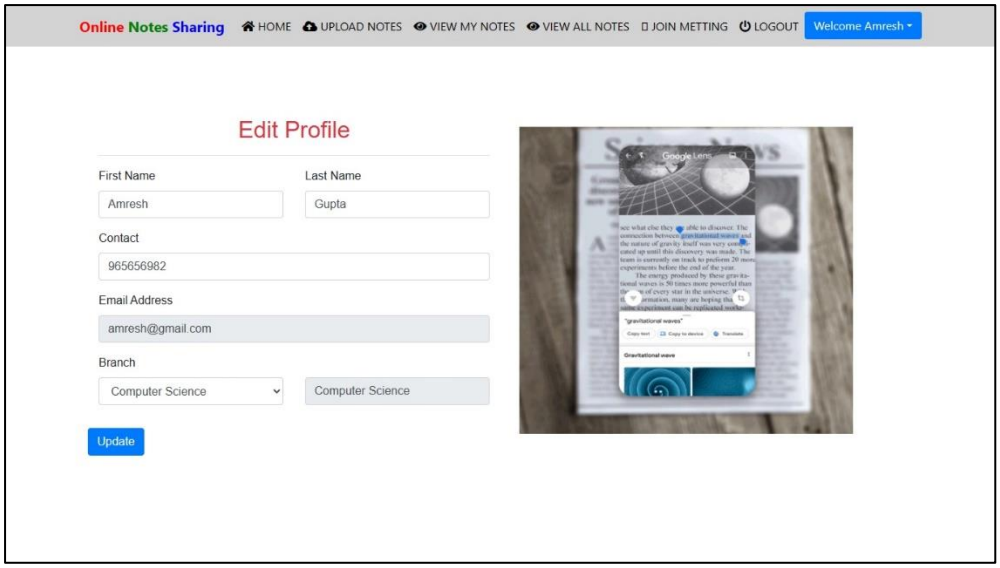
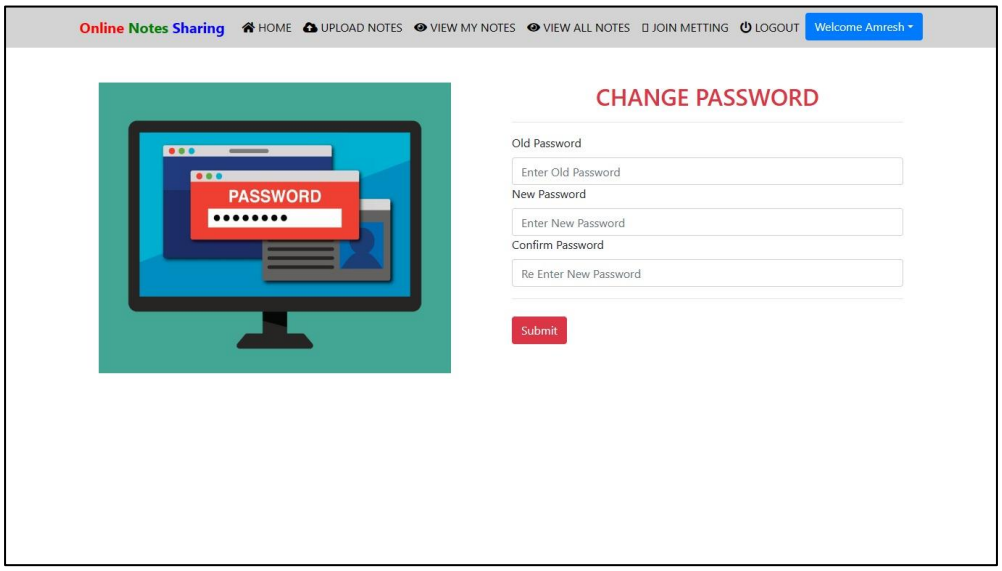
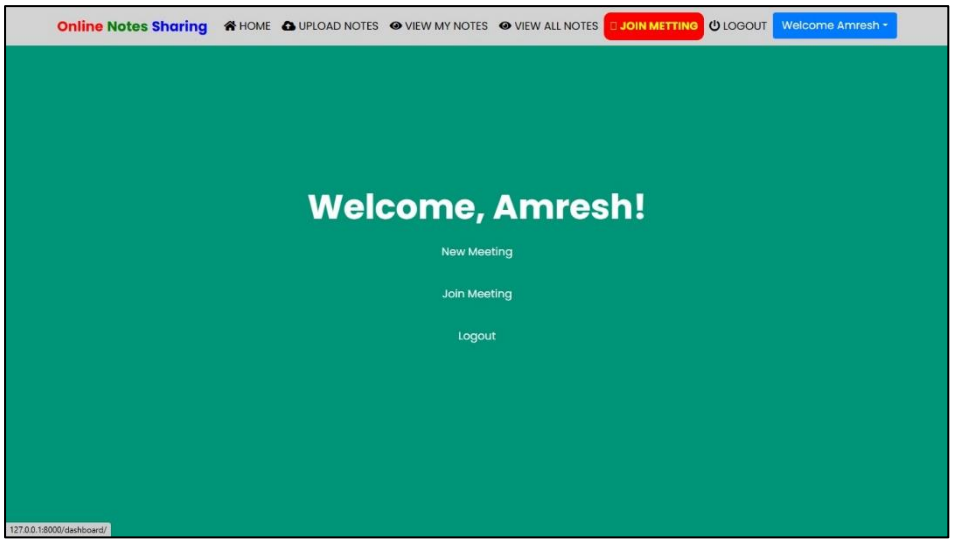
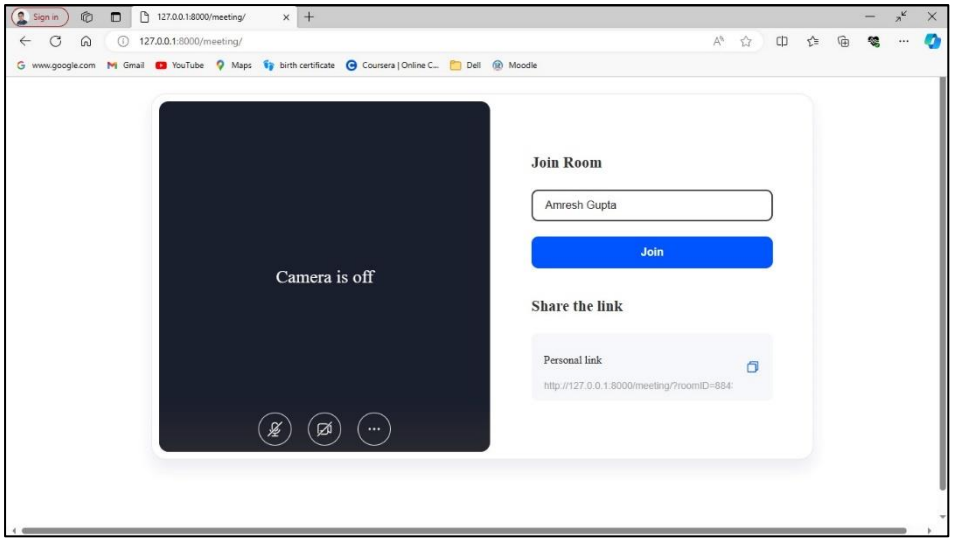




- <u>VIDEO CONFERENCING INTERFACE</u>

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Amresh Gupta
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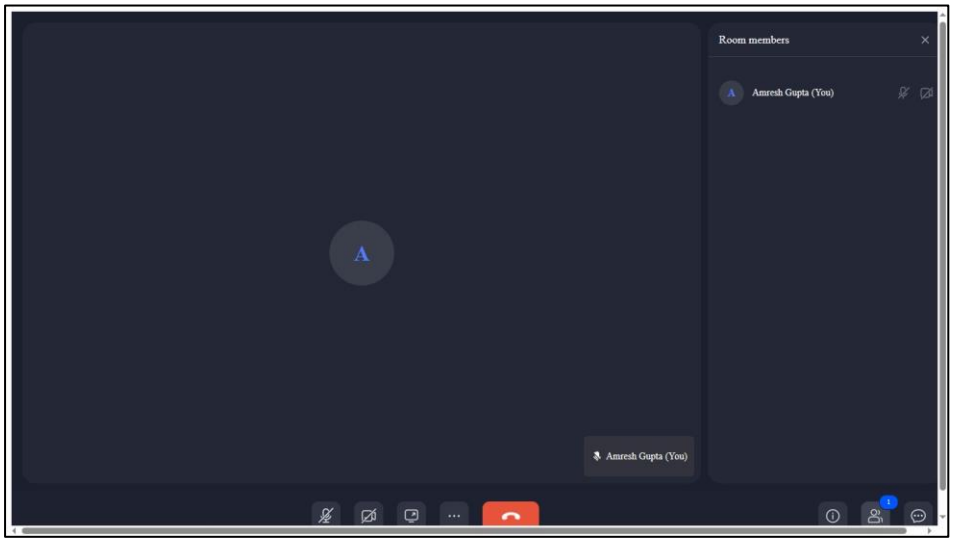
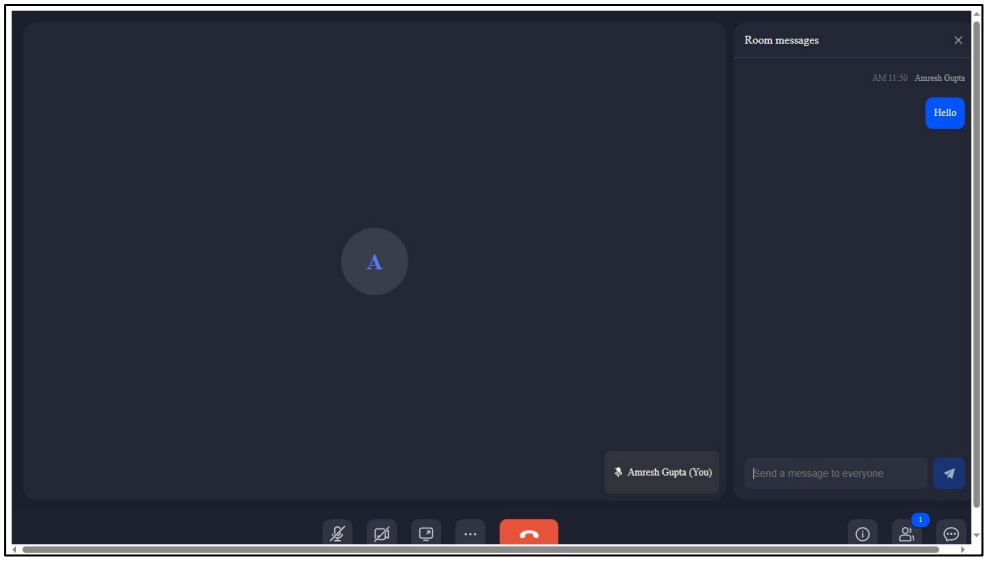
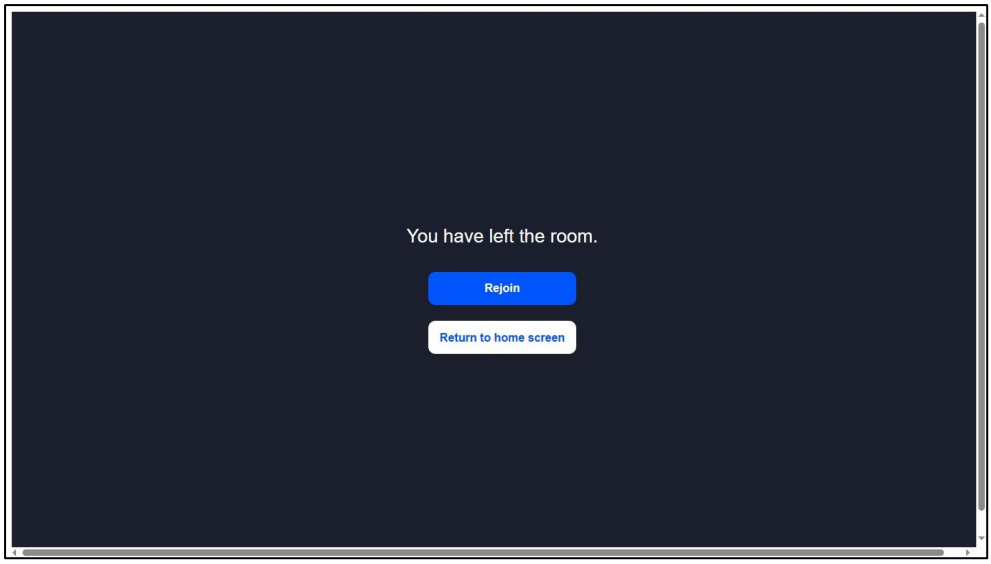
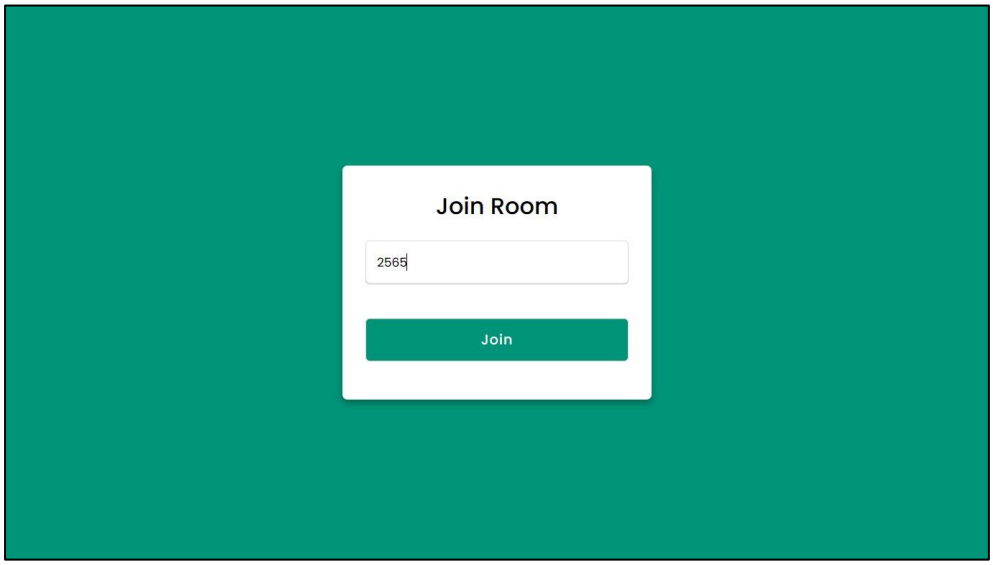
Share the link
Personal link
http://127.0.0.1:8000/meeting/?roomID=884

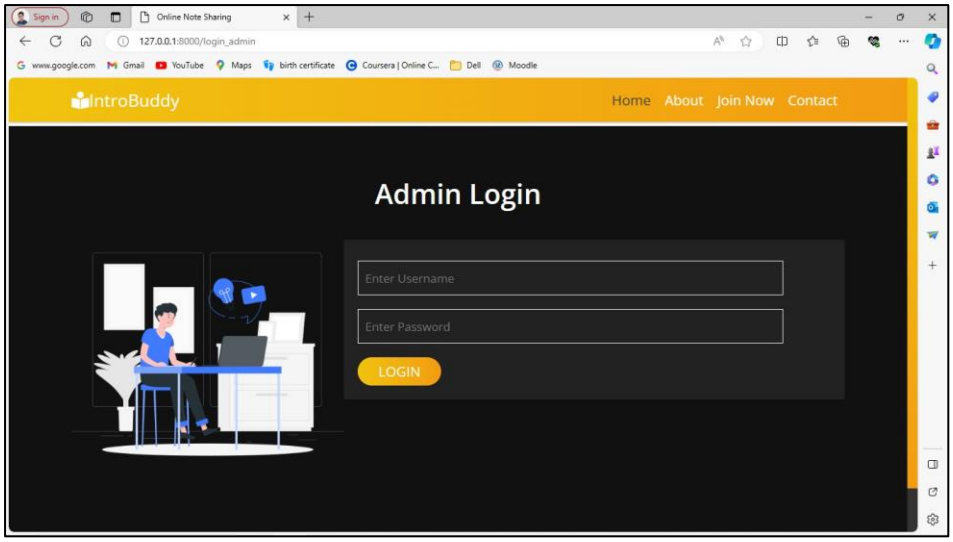

Room members
Amresh Gupta (You)
A
Amresh Gupta (You)

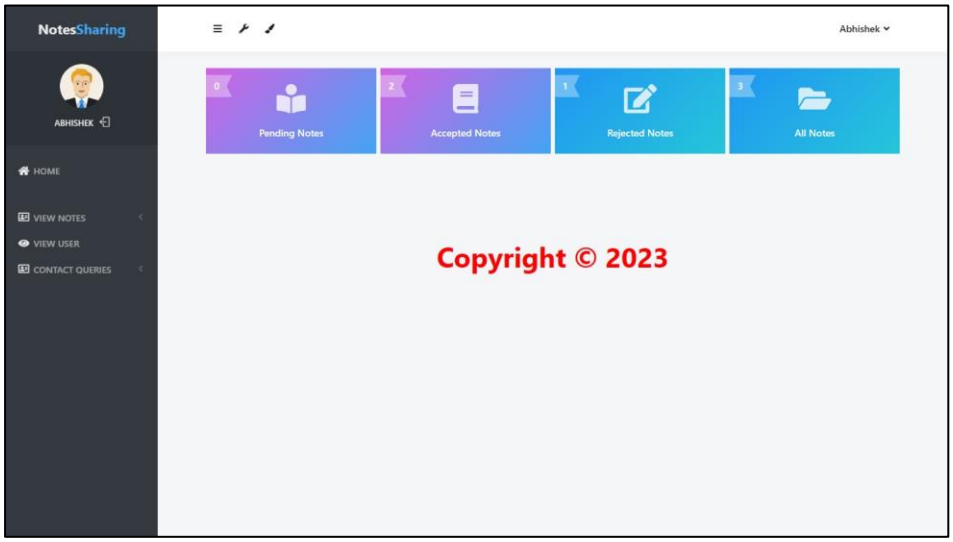

Room messages
AM 11:50 Amresh Gupta
Hello
A
Amresh Gupta (You)
Send a message to everyone

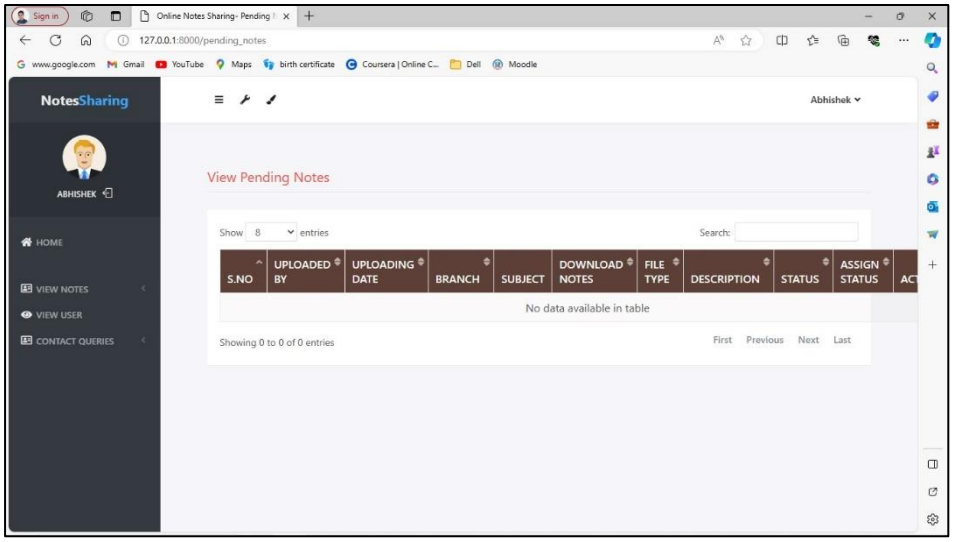


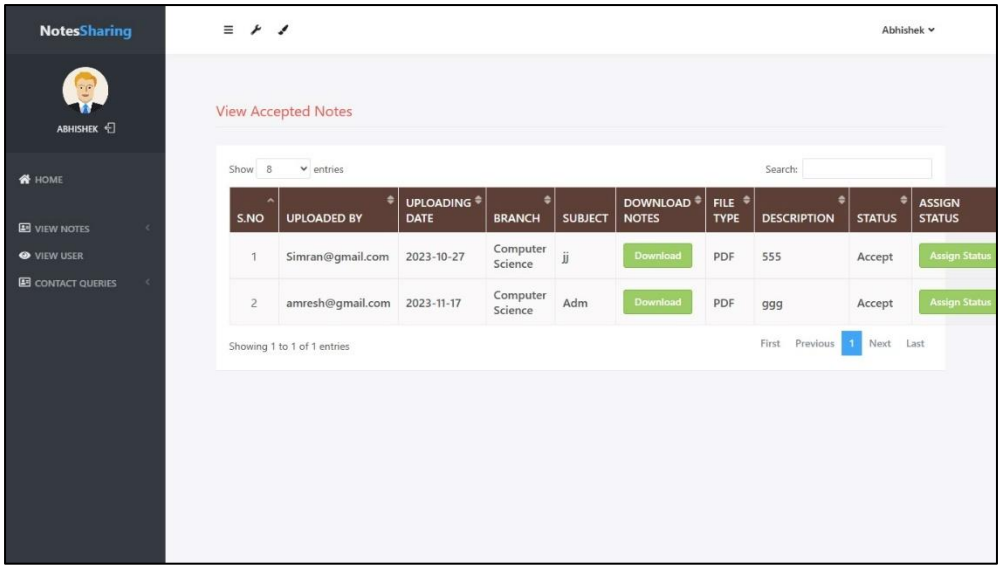


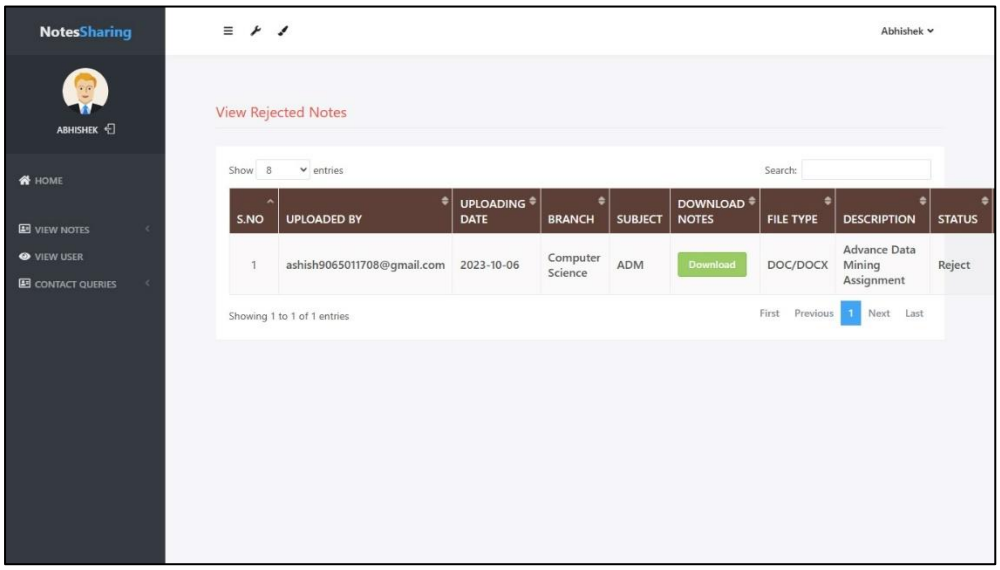
- ADMIN INTERFACE

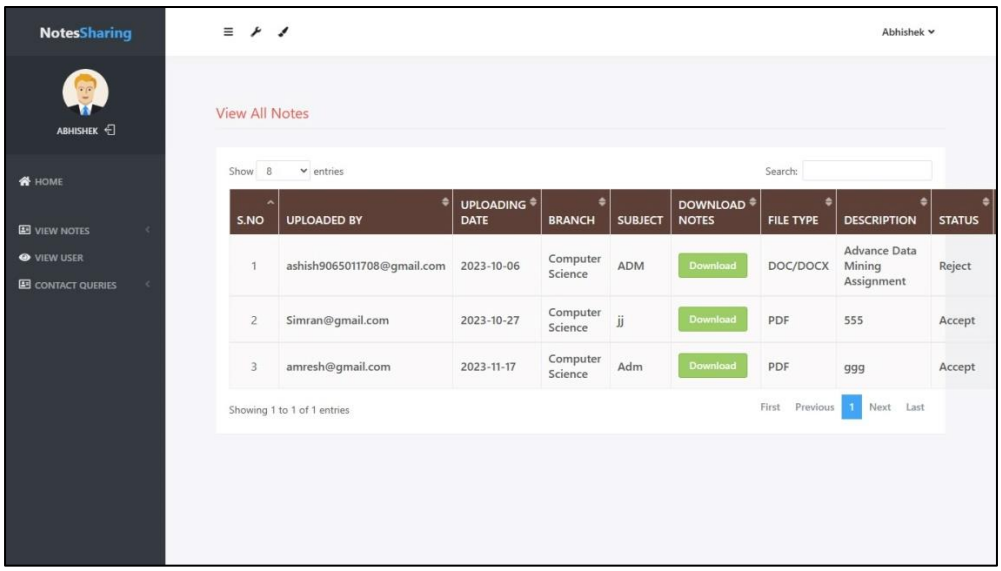

Online Note Sharing
127.0.0.1:8000/login_admin
IntroBuddy
Home
About
Join Now
Contact
Admin Login
Enter Username
Enter Password
LOGIN


NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
Pending Notes
Accepted Notes
Rejected Notes
All Notes
Copyright © 2023

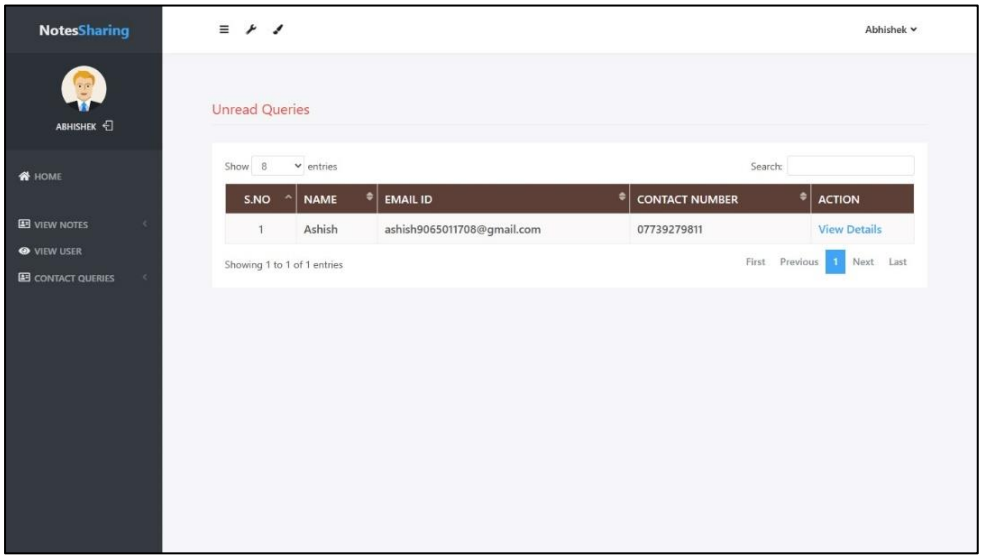

Online Notes Sharing- Pending
127.0.0.1:8000/pending_notes
NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
View Pending Notes
Show 8 entries
Search:
S.NO
UPLOADED BY
UPLOADING DATE
BRANCH
SUBJECT
DOWNLOAD NOTES
FILE TYPE
DESCRIPTION
STATUS
ASSIGN STATUS
No data available in table
Showing 0 to 0 of 0 entries
First
Previous
Next
Last

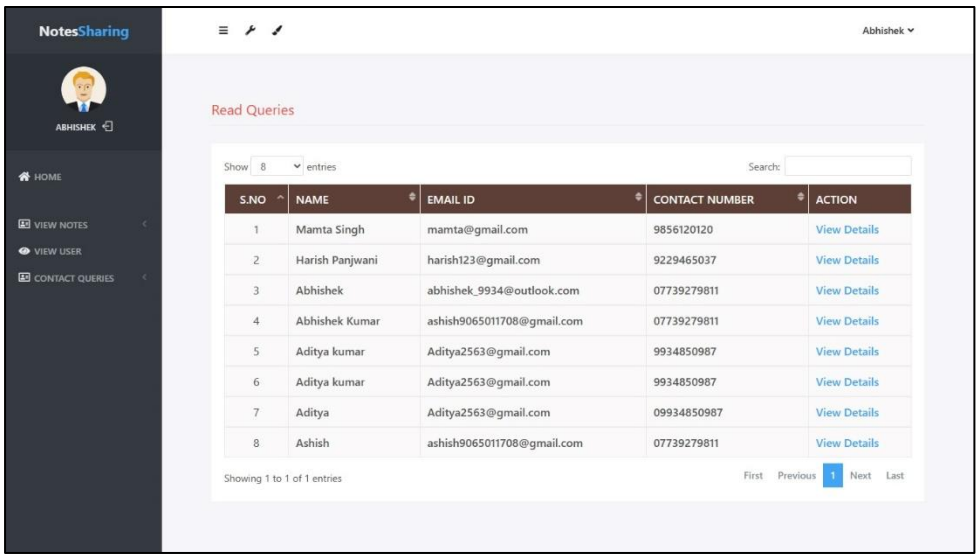

NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
View Accepted Notes
Show 8 entries
Search:
S.NO | UPLOADED BY | UPLOADING DATE | BRANCH | SUBJECT | DOWNLOAD NOTES | FILE TYPE | DESCRIPTION | STATUS | ASSIGN STATUS
1 | Simran@gmail.com | 2023-10-27 | Computer Science | jj | Download | PDF | 555 | Accept | Assign Status
2 | amresh@gmail.com | 2023-11-17 | Computer Science | Adm | Download | PDF | ggg | Accept | Assign Status
Showing 1 to 1 of 1 entries
First Previous 1 Next Last

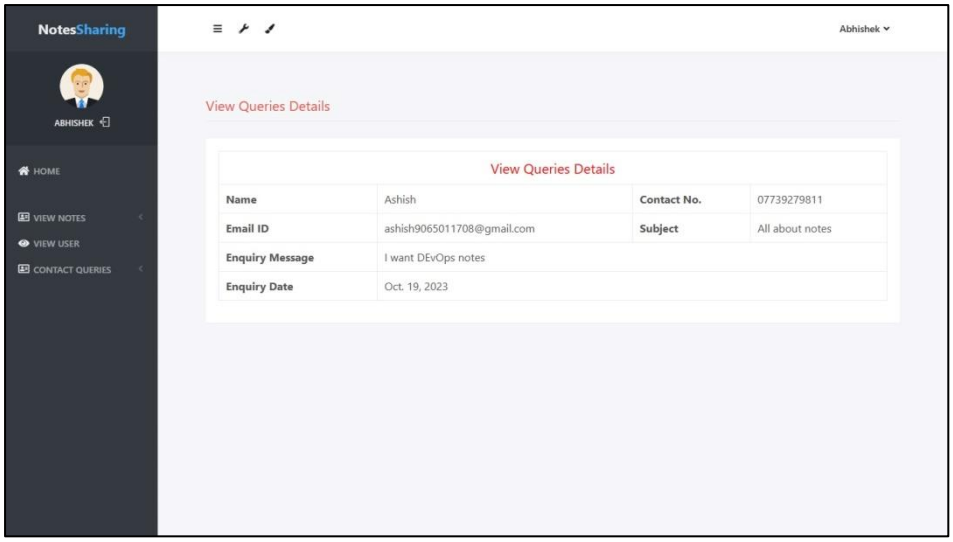

NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
View Rejected Notes
Show 8 entries
Search:
S.NO | UPLOADED BY | UPLOADING DATE | BRANCH | SUBJECT | DOWNLOAD NOTES | FILE TYPE | DESCRIPTION | STATUS
1 | ashish9065011708@gmail.com | 2023-10-06 | Computer Science | ADM | Download | DOC/DOCX | Advance Data Mining Assignment | Reject
Showing 1 to 1 of 1 entries
First Previous 1 Next Last


NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
View All Notes
Show 8 entries
Search:
S.NO | UPLOADED BY | UPLOADING DATE | BRANCH | SUBJECT | DOWNLOAD NOTES | FILE TYPE | DESCRIPTION | STATUS
1 | ashish9065011708@gmail.com | 2023-10-06 | Computer Science | ADM | Download | DOC/DOCX | Advance Data Mining Assignment | Reject
2 | Simran@gmail.com | 2023-10-27 | Computer Science | jj | Download | PDF | 555 | Accept
3 | amresh@gmail.com | 2023-11-17 | Computer Science | Adm | Download | PDF | ggg | Accept
Showing 1 to 1 of 1 entries
First Previous 1 Next Last

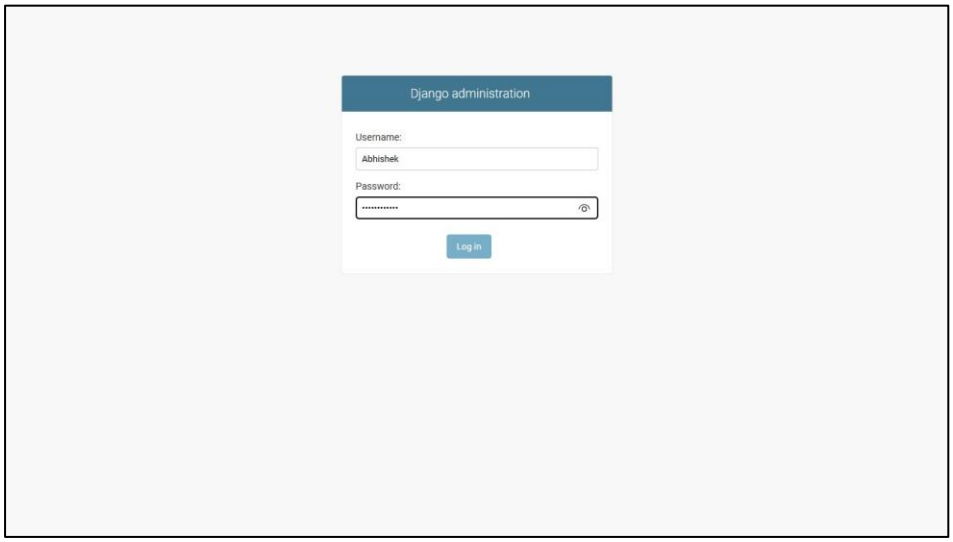

NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
3 abc def abc@gmail.com 7845120012 Mechanical Student Delete
4 Ashok Panjwani ashok@gmail.com 922465005 Mechanical Student Delete
5 Ashish Pathak ashish9065011708@gmail.com 7739279811 Computer Science Student Delete
6 Nikhil Kumar abhishek_9934@outlook.com 9934850987 Computer Science Teacher Delete
7 Rohit Kumar Ashish1250@gmail.com 9199662038 Computer Science Student Delete
8 Anurag Kumar Anurag1235@gmail.com 8563225687 Computer Science Student Delete
9 Aditya Kumar Aditya2563@gmail.com 7739279811 IT Student Delete
10 Ritik Kumar Ritik8587@gmail.com 9065011708 computer science Student Delete
11 simran Katariya Simran@gmail.com 98556325568 Computer Science Student Delete
12 SURAJ SAURAV surajsaurav01@gmail.com 9905428722 IT Student Delete
13 Amresh Gupta amresh@gmail.com 965656982 Computer Science Student Delete
Showing 1 to 1 of 1 entries
First Previous 1 Next Last

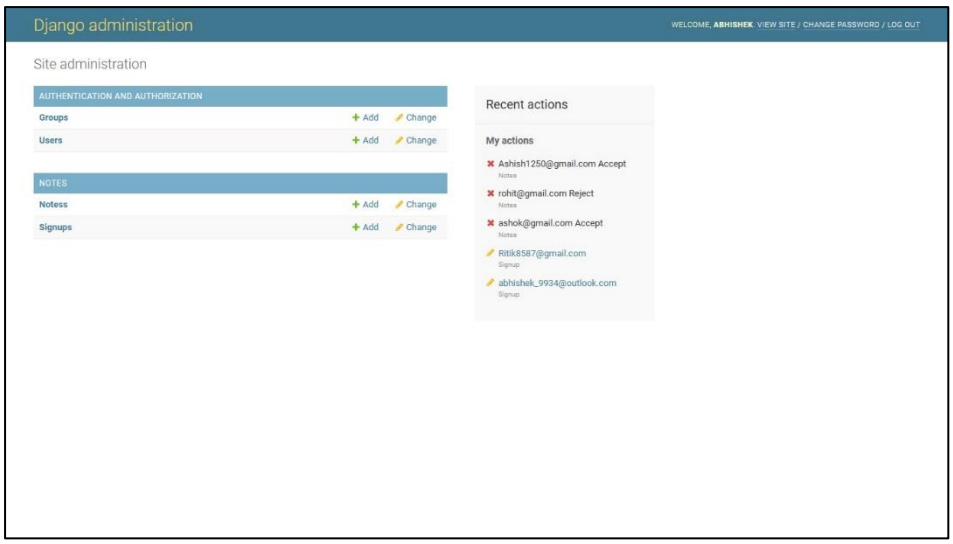

NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
Unread Queries
Show 8 entries
Search:
S.NO NAME EMAIL ID CONTACT NUMBER ACTION
1 Ashish ashish9065011708@gmail.com 07739279811 View Details
Showing 1 to 1 of 1 entries
First Previous 1 Next Last

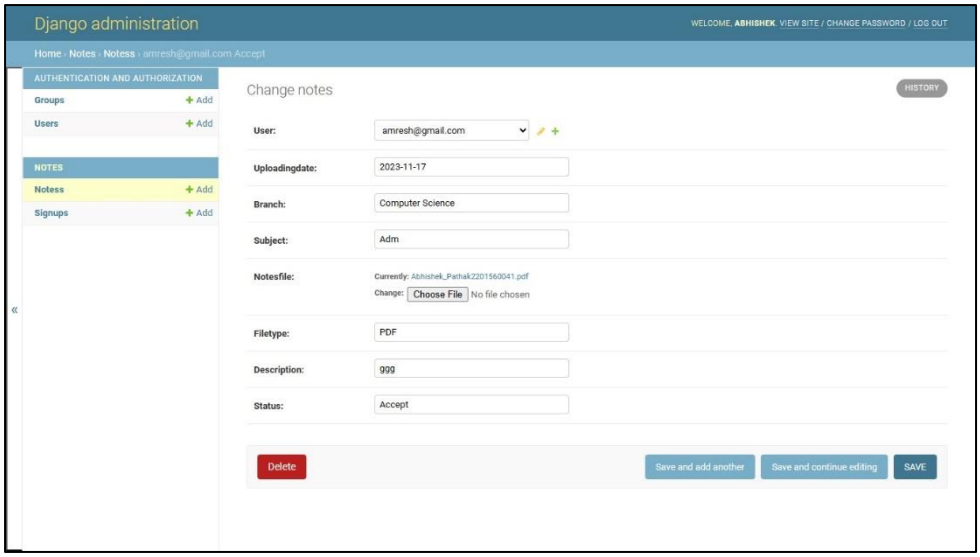

NotesSharing
Abhishek
ABHISHEK
HOME
VIEW NOTES
VIEW USER
CONTACT QUERIES
Read Queries
Show 8 entries
Search:
S.NO NAME EMAIL ID CONTACT NUMBER ACTION
1 Mamta Singh mamta@gmail.com 9856120120 View Details
2 Harish Panjwani harish123@gmail.com 9229465037 View Details
3 Abhishek abhishek_9934@outlook.com 07739279811 View Details
4 Abhishek Kumar ashish9065011708@gmail.com 07739279811 View Details
5 Aditya kumar Aditya2563@gmail.com 9934850987 View Details
6 Aditya kumar Aditya2563@gmail.com 9934850987 View Details
7 Aditya Aditya2563@gmail.com 09934850987 View Details
8 Ashish ashish9065011708@gmail.com 07739279811 View Details
Showing 1 to 1 of 1 entries
First Previous 1 Next Last

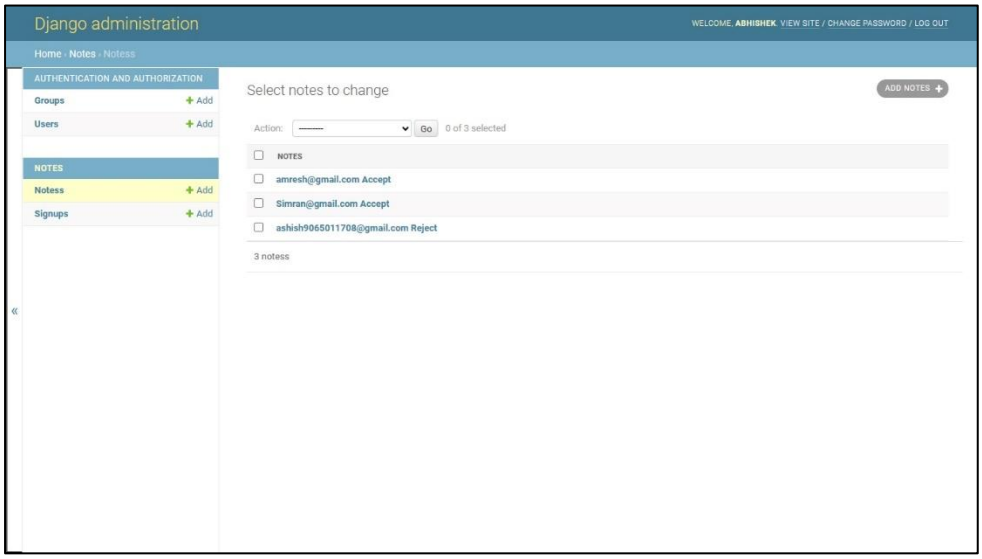


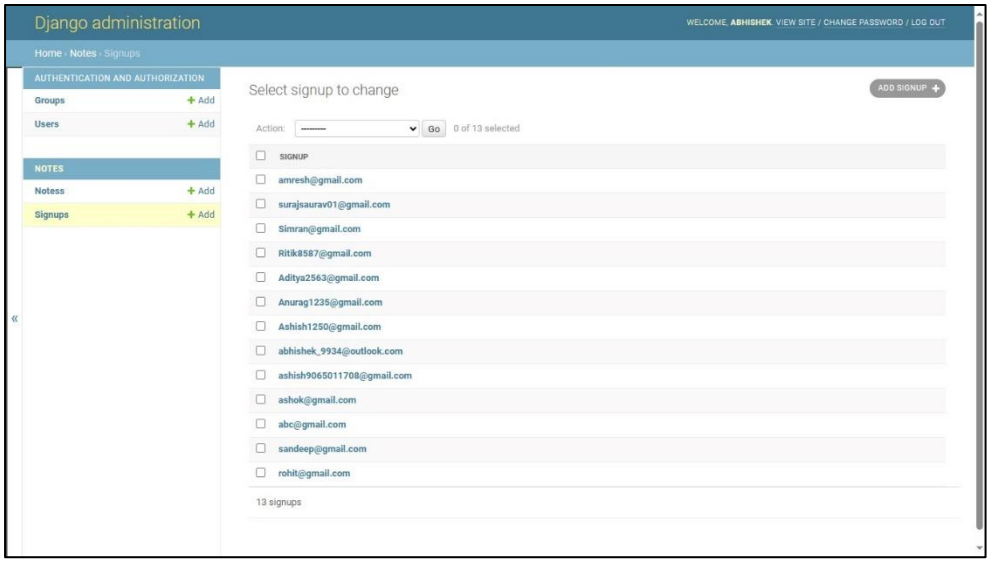
- DJANGO ADMINISTRATION

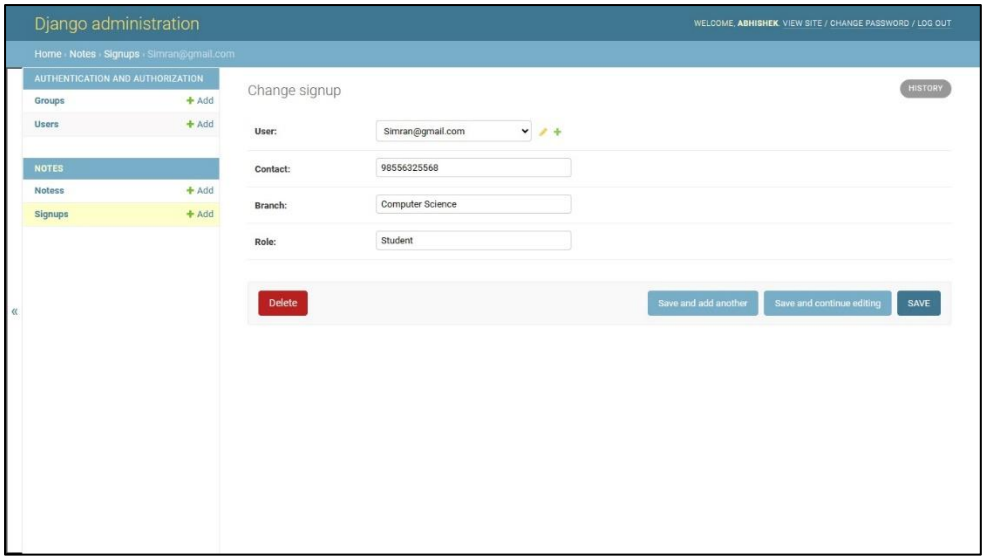


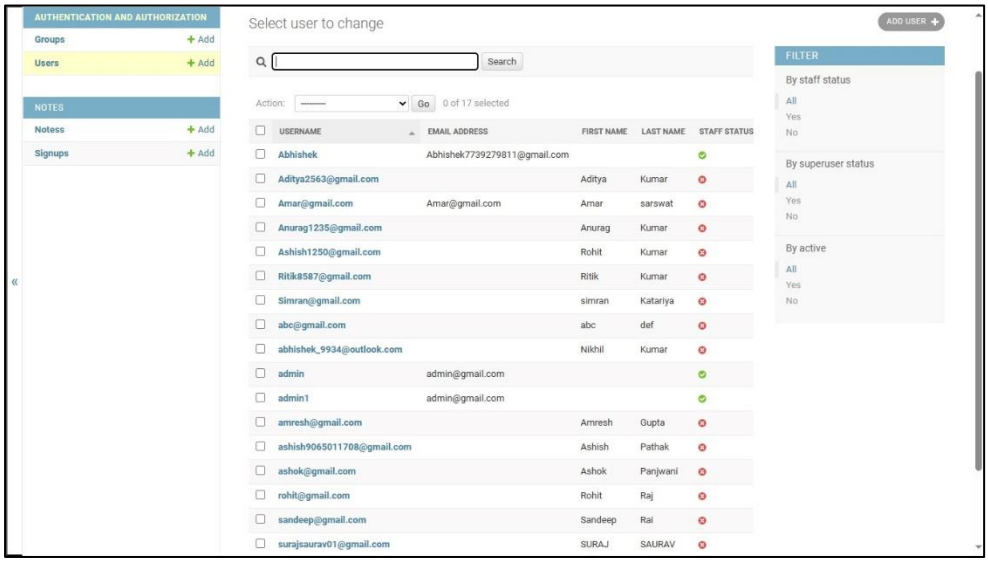


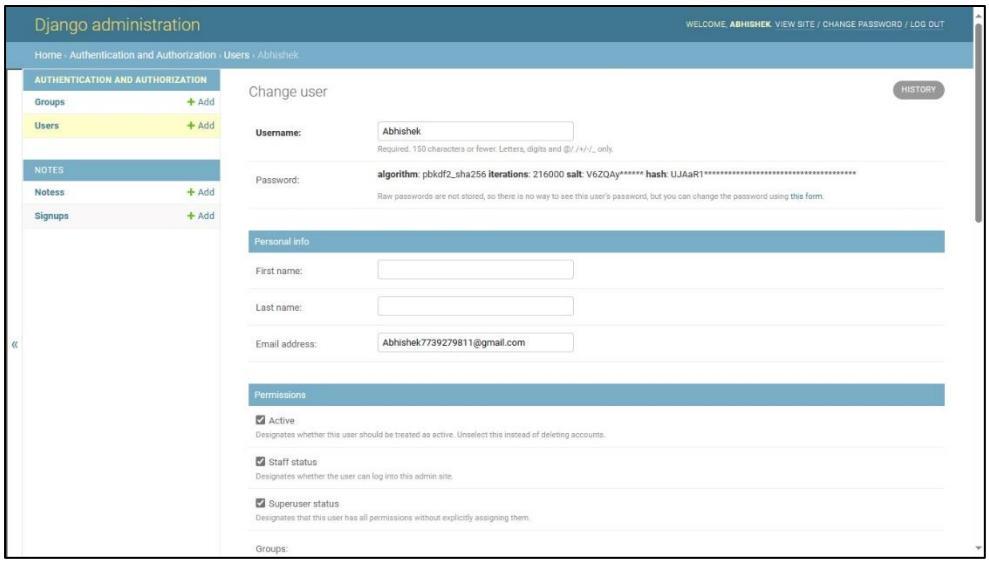

Django administration
WELCOME, ABHISHEK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Notes › Notess › amresh@gmail.com Accept
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Change notes
HISTORY
User: amresh@gmail.com
Uploadingdate: 2023-11-17
Branch: Computer Science
Subject: Adm
Notesfile: Currently: Abhishek_Pathak2201560041.pdf
Change: Choose File No file chosen
Filetype: PDF
Description: ggg
Status: Accept
Delete
Save and add another
Save and continue editing
SAVE


Django administration
WELCOME, ABHISHEK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Notes › Notess
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Select notes to change
ADD NOTES +
Action: ---------- Go 0 of 3 selected
NOTES
amresh@gmail.com Accept
Simran@gmail.com Accept
ashish9065011708@gmail.com Reject
3 notess


Django administration
WELCOME, ABHISHEK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Notes › Signups
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Select signup to change
ADD SIGNUP +
Action: ---------- Go 0 of 13 selected
SIGNUP
amresh@gmail.com
surajsaurav01@gmail.com
Simran@gmail.com
Ritik8587@gmail.com
Aditya2563@gmail.com
Anurag1235@gmail.com
Ashish1250@gmail.com
abhishek_9934@outlook.com
ashish9065011708@gmail.com
ashok@gmail.com
abc@gmail.com
sandeep@gmail.com
rohit@gmail.com
13 signups


Django administration
WELCOME, ABHISHEK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Notes › Signups › Simran@gmail.com
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Change signup
HISTORY
User: Simran@gmail.com
Contact: 98556325568
Branch: Computer Science
Role: Student
Delete
Save and add another
Save and continue editing
SAVE


AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Select user to change
ADD USER +
Search
Action: Go 0 of 17 selected
USERNAME
EMAIL ADDRESS
FIRST NAME
LAST NAME
STAFF STATUS
Abhishek Abhishek7739279811@gmail.com
Aditya2563@gmail.com Aditya Kumar
Amar@gmail.com Amar@gmail.com Amar sarswat
Anurag1235@gmail.com Anurag Kumar
Ashish1250@gmail.com Rohit Kumar
Ritik8587@gmail.com Ritik Kumar
Simran@gmail.com simran Katariya
abc@gmail.com abc def
abhishek_9934@outlook.com Nikhil Kumar
admin admin@gmail.com
admin1 admin@gmail.com
amresh@gmail.com Amresh Gupta
ashish9065011708@gmail.com Ashish Pathak
ashok@gmail.com Ashok Panjwani
rohit@gmail.com Rohit Raj
sandeep@gmail.com Sandeep Rai
surajsaurav01@gmail.com SURAJ SAURAV
FILTER
By staff status
All
Yes
No
By superuser status
All
Yes
No
By active
All
Yes
No


Django administration
WELCOME, ABHISHEK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Authentication and Authorization › Users › Abhishek
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
NOTES
Notess + Add
Signups + Add
Change user
HISTORY
Username: Abhishek
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.
Password: algorithm: pbkdf2_sha256 iterations: 216000 salt: V6ZQAy****** hash: UJAaR1**********
Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.
Personal info
First name:
Last name:
Email address: Abhishek7739279811@gmail.com
Permissions
Active
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.
Staff status
Designates whether the user can log into this admin site.
Superuser status
Designates that this user has all permissions without explicitly assigning them.
Groups:

FUTURE WORK

Certainly, here are the future work and scope points for INTROBUDDY:

- AI Integration: Implement AI-driven features for personalized learning paths and interview analysis.
- Expanded User Base: Extend accessibility to a broader global audience, catering to diverse educational systems.
- Integration with Learning Management Systems (LMS): Collaborate with educational institutions to integrate with existing LMS platforms.
- Certification and Badging System: Implement a system to certify skill levels achieved through the platform.
- Analytics and Reporting: Provide detailed analytics for user progress and interview performance.
- Industry Partnerships: Forge partnerships with industries to align content with real-world job requirements.
- Virtual Reality (VR) Integration: Explore VR capabilities for immersive mock interview experiences.

CONCLUSION

IntroBuddy emerges as a sophisticated solution meticulously designed to revolutionize the landscape of interview processes. Its core essence lies in facilitating seamless collaboration among interviewers, candidates, and assessment teams while simplifying the often-intricate interview journey. Stemming from the recognized challenges of communication gaps, scheduling complexities, and information retention inherent in conventional interview workflows, IntroBuddy steps in as a comprehensive remedy. This platform transcends the traditional constraints, catering to both organizations and individuals seeking a more efficient, productive, and user-friendly interview ecosystem. By amalgamating these fundamental components, IntroBuddy redefines the paradigm of interview procedures. It embodies a user-centric approach, striving to encompass every facet of the interview process, empowering interviewers, candidates, and organizations alike. In essence, IntroBuddy's significance lies in its ability to enable effective and cooperative interview conduct by harmonizing scheduling complexities, enhancing communication through automated email confirmations, and providing a sophisticated framework for note-sharing and video interview capabilities. The platform, with its innovative features and comprehensive functionality, sets a new standard for productivity, communication efficiency, and knowledge retention within the realm of interviews. It symbolizes a substantial leap forward in reshaping and refining the way interviews are conducted, promising a future where the interview process is efficient, collaborative, and effective.

CODING IMPLEMENTATION

- Notes Sharing Logic

```
from django.shortcuts import render,redirect
from django.contrib.auth.models import User
from .models import *
from django.contrib.auth import authenticate, logout, login
from datetime import date
# Create your views here.
def about(request):
    return render(request,'about.html')
def userhome(request):
    return render(request)
def index(request):
    return render(request,'index.html')
def contact(request):
    error = ""
    if request.method == 'POST':
        f = request.POST['fullname']
        em = request.POST['email']
        m = request.POST['mobile']
        s = request.POST['subject']
        msg = request.POST['message']
        try:
            Contact.objects.create(fullname=f, email=em, mobile=m, subject=s,
message=msg,msgdate=date.today(),isread="no")
            error = "no"
        except:
            error = "yes"
    return render(request, 'contact.html', locals())
def userlogin(request):
    error = ""
    if request.method == 'POST':
        u = request.POST['emailid']
        p = request.POST['pwd']
        user = authenticate(username=u, password=p)
        try:
            if user:
                login(request, user)
                error = "no"
            else:
```

```
            error = "yes"
        except:
            error = "yes"
    return render(request, 'login.html', locals())
def login_admin(request):
    error = ""
    if request.method == 'POST':
        u = request.POST['uname']
        p = request.POST['pwd']
        user = authenticate(username=u, password=p)
        try:
            if user.is_staff:
                login(request, user)
                error = "no"
            else:
                error ="yes"
        except:
            error = "yes"
    return render(request,'login_admin.html', locals())
def signup1(request):
    error=""
    if request.method=='POST':
        f = request.POST['firstname']
        l = request.POST['lastname']
        c = request.POST['contact']
        e = request.POST['emailid']
        p = request.POST['password']
        b = request.POST['branch']
        r = request.POST['role']
        try:
            user =
ser.objects.create_user(username=e,password=p,first_name=f,last_name=l)
            Signup.objects.create(user=user, contact=c,branch=b,role=r)
            error="no"
        except:
            error="yes"
    return render(request,'signup.html', locals())
def admin_home(request):
    if not request.user.is_staff:
        return redirect('login_admin')
    pn = Notes.objects.filter(status="pending").count()
    an = Notes.objects.filter(status="Accept").count()
```

```
    rn = Notes.objects.filter(status="Reject").count()
    alln = Notes.objects.all().count()
    d = {'pn':pn,'an':an,'rn':rn,'alln':alln}
    return render(request,'admin_home.html',d)
def Logout(request):
    logout(request)
    return redirect('index')
def profile(request):
    if not request.user.is_authenticated:
        return redirect('login')
    user = User.objects.get(id=request.user.id)
    data = Signup.objects.get(user = user)
    d = {'data':data,'user':user}
    return render(request,'profile.html',d)
def edit_profile(request):
    if not request.user.is_authenticated:
        return redirect('login')
    user = User.objects.get(id=request.user.id)
    data = Signup.objects.get(user = user)
    error = False
    if request.method=='POST':
        f = request.POST['firstname']
        l = request.POST['lastname']
        c = request.POST['contact']
        b = request.POST['branch']
        user.first_name = f
        user.last_name = l
        data.contact = c
        data.branch = b
        user.save()
        data.save()
        error=True
    d = {'data':data,'user':user,'error':error}
    return render(request,'edit_profile.html',d)
def changepassword(request):
    if not request.user.is_authenticated:
        return redirect('login')
    error=""
    if request.method=='POST':
        o = request.POST['old']
        n = request.POST['new']
        c = request.POST['confirm']
```

```
        if c==n:
            u = User.objects.get(username__exact=request.user.username)
u.set_password(n)
            u.save()
            error="no"
        else:
            error="yes"
    return render(request,'changepassword.html', locals())
def upload_notes(request):
    if not request.user.is_authenticated:
        return redirect('login')
    error=""
    if request.method=='POST':
        b = request.POST['branch']
        s = request.POST['subject']
        n = request.FILES['notesfile']
        f = request.POST['filetype']
        d = request.POST['description']
        u = User.objects.filter(username=request.user.username).first()
        try:
Notes.objects.create(user=u,uploadingdate=date.today(),branch=b,subject=s,no
tesfile=n,                    filetype=f,description=d,status='pending')
            error="no"
        except:
            error="yes"
    return render(request,'upload_notes.html', locals())
def view_mynotes(request):
    if not request.user.is_authenticated:
        return redirect('login')
    user = User.objects.get(id=request.user.id)
    notes = Notes.objects.filter(user = user)
    d = {'notes':notes}
    return render(request,'view_mynotes.html',d)
def delete_mynotes(request,pid):
    if not request.user.is_authenticated:
        return redirect('login')
    notes = Notes.objects.get(id=pid)
    notes.delete()
    return  redirect('view_mynotes')
def view_allnotes(request):
    if not request.user.is_authenticated:
        return redirect('login')
```

```
    user = User.objects.get(id=request.user.id)
    notes = Notes.objects.filter(user = user)
    d = {'notes':notes}
    return render(request,'view_allnotes.html',d)
def view_users(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    users = Signup.objects.all()
    d = {'users':users}
    return render(request,'view_users.html',d)
def delete_users(request,pid):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    user = User.objects.get(id=pid)
    user.delete()
    return redirect('view_users')
def pending_notes(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    notes = Notes.objects.filter(status = "pending")
    d = {'notes':notes}
    return render(request, 'pending_notes.html',d)
def accepted_notes(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    notes = Notes.objects.filter(status = "Accept")
    d = {'notes':notes}
    return render(request, 'accepted_notes.html',d)
def rejected_notes(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    notes = Notes.objects.filter(status = "Reject")
    d = {'notes':notes}
    return render(request, 'rejected_notes.html',d)
def all_notes(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    notes = Notes.objects.all()
    d = {'notes':notes}
    return render(request, 'all_notes.html',d)
def assign_status(request,pid):
    if not request.user.is_authenticated:
```

```
        return redirect('login_admin')
    notes = Notes.objects.get(id=pid)
    error = ""
    if request.method=='POST':
        s = request.POST['status']
        try:
            notes.status = s
            notes.save()
            error="no"
        except:
            error="yes"
    d = {'notes':notes,'error':error}
    return render(request, 'assign_status.html',d)
def delete_notes(request,pid):
    if not request.user.is_authenticated:
        return redirect('login')
    notes = Notes.objects.get(id=pid)
    notes.delete()
    return  redirect('all_notes')
def viewallnotes(request):
    if not request.user.is_authenticated:
        return redirect('login')
    notes = Notes.objects.filter(status='Accept')
    d = {'notes':notes}
    return render(request, 'viewallnotes.html',d)
def change_passwordadmin(request):
    if not request.user.is_authenticated:
        return redirect('index')
    error = ""
    user = request.user
    if request.method == "POST":
        o = request.POST['oldpassword']
        n = request.POST['newpassword']
        c = request.POST['confirmpassword']
        try:
            if user.check_password(o):
                user.set_password(n)
                user.save()
                error = "no"
            else:
                error = 'not'
        except:
```

```
            error = "yes"
    return render(request, 'change_passwordadmin.html', locals())
def unread_queries(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    contact = Contact.objects.filter(isread="no")
    return render(request,'unread_queries.html', locals())
def read_queries(request):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    contact = Contact.objects.filter(isread="yes")
    return render(request,'read_queries.html', locals())
def view_queries(request,pid):
    if not request.user.is_authenticated:
        return redirect('login_admin')
    contact = Contact.objects.get(id=pid)
    contact.isread = "yes"
    contact.save()
    return render(request,'view_queries.html', locals())
```

- Video Conferencing Logic

```
from collections import UserDict
from django.shortcuts import render, redirect
from notes.models import Signup
from .forms import RegisterForm
from django.contrib.auth import authenticate, login, logout
from django.contrib.auth.decorators import login_required
# Create your views here.
def home(request):
    return render(request, 'inde.html')
def register(request):
    error=""
    if request.method=='POST':
        f = request.POST['firstname']
        l = request.POST['lastname']
        c = request.POST['contact']
        e = request.POST['emailid']
        p = request.POST['password']
        b = request.POST['branch']
        r = request.POST['role']
        try:
            user =
UserDict.objects.create_user(username=e,password=p,first_name=f,last_name
```

```
=l)
            Signup.objects.create(user=user, contact=c,branch=b,role=r)
            error="no"
        except:
            error="yes"
    return render(request,'signup.html', locals())
def login_view(request):
    error = ""
    if request.method == 'POST':
        u = request.POST['emailid']
        p = request.POST['pwd']
        user = authenticate(username=u, password=p)
        try:
            if user:
                login(request, user)
                error = "no"
            else:
                error = "yes"
        except:
            error = "yes"
    return render(request, 'login.html', locals())
@login_required
def dashboard(request):
    return render(request, 'dashboard.html', {'name': request.user.first_name})
@login_required
def videocall(request):
    return render(request, 'videocall.html', {'name': request.user.first_name + " "
+ request.user.last_name})
@login_required
def logout_view(request):
    logout(request)
    return redirect("/login")
@login_required
def join_room(request):
    if request.method == 'POST':
        roomID = request.POST['roomID']
        return redirect("/meeting?roomID=" + roomID)
    return render(request, 'joinroom.html')
```

ANNEXURE (RESPONSIBILITY CHART)

Roll No.	**Name**	**Responsibilities**
2201560024	Suraj Saurav	User Dashboard Design
2201560034	Simran Katariya	Models and Documentation
2201560039	Nikhil Kumar	Admin Dashboard Design
2201560041	Abhishek Pathak	Backend and APIs

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