

**GUJARAT TECHNOLOGICAL UNIVERSITY**

Chandkheda, Ahmedabad

Affiliated



**Marwadi**  
Education Foundation

A NAAC A+ ACCREDITED INSTITUTE

Marwadi Education Foundation, Rajkot

Faculty of Engineering

A Report On

**PDF HUB**

Under subject of

DESIGN ENGINEERING –1B

B. E, Semester – IV

(Computer Engineering)

Submitted by:

Group:

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Prof. Munindra Lunagaria

(Faculty Guide)

Prof. Jay Teraiya

(Head of the Department)

Academic year

(2022)

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## **CANDIDATE'S DECLARATION**

We hereby declare that the work presented in this project entitled **“PDF HUB”** submitted towards completion of project in **Fourth Semester** of B.E. (Computer) is an authentic record of our original work carried out under the guidance of **“Prof. Munindra Lunagaria”**.

We have not submitted the matter embodied in this project for the award of any other degree.

Semester: 4<sup>th</sup>

Place: Rajkot

### **Signature:**

Parth Ahuja (200570107024)

Hardik Pampaniya (200570107022)

Yash Baldha (200570107012)

**MARWADI EDUCATION FOUNDATION,  
FACULTY OF ENGINEERING,  
RAJKOT**



**CERTIFICATE**

Date:

This is to certify that the “**PDF HUB**” has been carried out by **Parth Ahuja** under my guidance in fulfillment of the subject Design Engineering-1B in COMPUTER ENGINEERING (4<sup>th</sup> Semester) of Gujarat Technological University, Ahmedabad during the academic year 2022.

Sign of Faculty Guide  
Prof. Munindra Lunagaria

HOD, CE Department  
Prof. Jay Teraiya

**MARWADI EDUCATION FOUNDATION,  
FACULTY OF ENGINEERING,  
RAJKOT**



**CERTIFICATE**

Date:

This is to certify that the “**PDF HUB**” has been carried out by **Hardik Pampaniya** under my guidance in fulfillment of the subject Design Engineering-1B in COMPUTER ENGINEERING (4<sup>th</sup> Semester) of Gujarat Technological University, Ahmedabad during the academic year 2022.

Sign of Faculty Guide  
Prof. Munindra Lunagaria

HOD, CE Department  
Prof. Jay Teraiya

**MARWADI EDUCATION FOUNDATION,  
FACULTY OF ENGINEERING,  
RAJKOT**



**CERTIFICATE**

Date:

This is to certify that the “**PDF HUB**” has been carried out by **Yash Baldha** under my guidance in fulfillment of the subject Design Engineering- 1B in COMPUTER ENGINEERING (4<sup>th</sup> Semester) of Gujarat Technological University, Ahmedabad during the academic year 2022.

Sign of Faculty Guide  
Prof. Munindra Lunagaria

HOD, CE Department  
Prof. Jay Teraiya

## **ACKNOWLEDGEMENT**

We have taken many efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

We are highly indebted to **Prof. Munindra Lunagaria** for their guidance and constant supervision as well as for providing necessary information regarding the Design Engineering Project Titled “**PDF HUB**”. We would like to express our gratitude towards our Head of the Department **Prof. Jay Teraiya** and other staff members of Computer Engineering Department, **Marwadi Education Foundation** for their kind co- operation and encouragement which helped us in completion of this project.

We even thank and appreciate to our colleague in developing the project and people who have willingly helped us out with their abilities.

Parth Ahuja  
Yash Baldha  
Hardik Pampaniya

## Abstract

This website will provide all the extensions of pdf conversion in one place and also it will provide image resize and add page numbers options that are needed for them. We will try to help students, IT professionals, Professors, and General Users with the help of our website. On this website we will include all the extensions related to students or general users, they didn't have to go to any other website we will provide all the things on our website. Also, we have included many options such as the following:

- Pdf to excel
- Pdf to .mobi
- Pdf to epub
- Pdf to word
- Image resize
- Pdf resize
- Add page numbers, etc.

All the above-mentioned options will provide recipients with a better experience while using this website and benefit from our website. We also provide the proper and better UI that will make a good experience for users. With help of our website, people will get all the necessary file conversion that they want to get. Here we are aiming to provide a platform that can help all the users without any hassle.

There is a boat load of different PDF converters out there, each offering slightly different features. Our website will cover the different types of features that you may need from a PDF converter, that can help all the users in their day-to-day life.

The first problem is paid website and the second problem is not providing all extensions at once, as we need a website for converting the pdf and documents in caee6of this we need good UI and proper response that other websites are not providing as expected so we are trying to get it.

The best PDF converters should provide you with a great toolset, enabling you to convert PDF documents to a variety of different formats for any occasion that we are providing to our users. Nowadays is precious for all and we look for features like bulk conversions to convert multiple documents at once. Also, consider the use of merging PDFs into one file or removing pages from a PDF these all features are useful in our daily life so we are also providing this to our users. Convert PDFs to a huge range of different formats including Microsoft Word, Excel, and PowerPoint as well as images like JPG and epub converter and .mobi converter, one-note converter, etc. all these functions are included on our website.



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# **Chapter 1:**

# **Introduction**

## Introduction

There are many good websites to convert PDF online but PDF HUB can be regarded as one of the best among them. It is a simple yet sophisticated platform that allows you to do all kinds of conversions online without bordering you with installing any software. You can convert PDF to excel, word, image, Txt and others while you can also convert these formats back to PDF right on this platform. It is one of the easiest platform for Word file convert to PDF online and also secured as files are erased from the server after just one hour of conversion.

You can convert password protected PDF file through this site. You need to register your email id with this site and they will send the converted file to your inbox. This site does not send any virus or scammed file to your email id.

This cloud-based PDF maker can be used to manage and organize your PDF documents, compress files to email large PDFs, merge multiple sources into a single PDF, and convert to and from a PDF file. Some of the top features include download link management, PDF splitting, adding a watermark, and easy Office to PDF conversions. PDF HUB can increase the file size of your PDFs without destroying the quality of the files. You can then email larger PDF documents, such as reports or catalogs. If you prefer to send a link, you can create a shareable download link right from the platform.

The Unlock PDF feature is another commonly talked about component of PDF HUB. You can also remove password security from PDFs to give greater freedom to your users as well. This website allows you to add watermarks to your pages, add page numbers, and rotate elements. If you use Microsoft Office, you can even convert to and from Office files to create documents, presentations, and spreadsheets for your business

# **Chapter 2:**

# **Design Thinking Phase**

## 2.1) AEIOU Canvas

AEIOU canvas describe us overall idea about all details about job hunt.

### ➤ Environment:

It include the entire arena where activities take place. We describe general impression, elements, and features.

- Cloud Storage

### ➤ Interaction:

These happen between a person and someone or something else, they are the building block of activities. In general impression we describe.

- User to Browser
- User to Mobile

### ➤ Object:

These are the building blocks of environment. We describe objects which include:

- Mobile
- Laptop/Desktop
- Internet

### ➤ Activities:

These are the goal directed sets of actions paths towards things people want to accomplish. What are the modes people work in, and the specific activities and processes they go through. In general we describe that what is going on the site. Here people are engaged in some other activities some of them are mention below:

- Login – Connects with the server to store the data.
- Uploading – Used to upload the file to the server.
- Converting
- Searching – Provide the ability to find any file
- Editing – Use to edit the file
- Downloading – Download the converted file
- Sharing – Use to share the file.

### ➤ User's:

Users are the people whose behaviours, preference, and needs are being observed. In elements we describe

- Student
- Parent's
- Expert's
- Professor

## 2.2) Empathy Phase

Empathy Mapping is the first step when you go into study design engineering and it is the first chart for the first canvas that you will be making when you start with your design engineering project course.

### ➤ User's:

Users are the people whose behaviours, preference, and needs are being observed. In elements we describe

- Student
- Parent's
- Expert's
- Professor

### ➤ Stakeholders:

Stakeholders are those who are going to get a direct or an indirect income because of these users so write down the number n number of names of these stakeholders in this particular column of stakeholders.

- IT Companies
- Entrepreneurs

### ➤ Activities:

These are the goal directed sets of actions paths towards things people want to accomplish. What are the modes people work in, and the specific activities and processes they go through. In general we describe that what is going on the site. Here people are engaged in some other activities some of them are mention below:

- Login – Connects with the server to store the data.
- Uploading – Used to upload the file to the server.
- Converting
- Searching – Provide the ability to find any file
- Editing – Use to edit the file
- Downloading – Download the converted file
- Sharing – Use to share the file.

### ➤ Story Boarding

- Happy
  - I. I am a office employee and i am so happy that i finally found the platform which includes pdf to .mobi, pdf to epub, pdf to excel etc functionalities is one platform that server my lots of time.
  - II. I am student and i am so happy that i get the manifesto for my period in that manifesto they provide all the features that i required for my project.

- Sad
  - I. I am a office employee, So in my work i have to convert pdf to .mobi, pdf to epub etc But i am not satisfied with any app or website that can provide this all functionalities on one platform. Due to this my work consume more time because i have to switch the platform for my work.
  - II. As being student it is difficult to find all the functions in one platform like pdf to excel, pdf to ppt, pdf to work etc for my project or submission.

## 2.3) Problem Definition by Prior Art Search

- This type of project is already existing but that project is providing only some extension or tools, So many tools such as Pdf to Word, Pdf to image, Pdf to excel and Pdf to PowerPoint are came in that but in our project we will provide that all options but also we are providing tools like Pdf to.mobi, Pdf to epub, Pdf to OneNote etc.
- This project is designed for helping students, IT professional, Professors and General Users to do their work easily in day to day life. The basic aim is to provide all the extension or tools (Pdf to Word, Pdf to image, Pdf to excel and Pdf to PowerPoint, Pdf to.mobi, Pdf to epub, Pdf to OneNote etc) in one website. Pdf Hub is a Web based system that is design to give all the extension in one website to the Users that are searching for. Aim is to provide a platform which can help all the users without any problem.
- In our website we will provide all in one things like if we want to convert pdf or if we want to resize any image or some other things than for this we have to go for multiple websites to do that things but in our website we provide all features at one place.
- We choosed this domain because in now a day, we all know that there are many apps that can convert pdf or to any other document but not all in one like for image resize we have to go one website and for pdf conversion we have to go for another website.



## 2.4) Ideation Phase

### ➤ People:

- IT Professional
- Professor
- Student
- General User's

### ➤ Activities:

These are the goal directed sets of actions paths towards things people want to accomplish. What are the modes people work in, and the specific activities and processes they go through. In general we describe that what is going on the site. Here people are engaged in some other activities some of them are mention below:

- Login – Connects with the server to store the data.
- Uploading – Used to upload the file to the server.
- Converting
- Searching – Provide the ability to find any file
- Editing – Use to edit the file
- Downloading – Download the converted file
- Sharing – Use to share the file.

### ➤ Situation/Context/Location:

- Invalid Extension
- Password encrypted file
- Damaged / Incomplete file

### ➤ Props/Possible Solutions

- Password encrypted file – Auto decrypted file
- PDF to any file

## 2.5) Product Development Phase

### ➤ Purpose:

- Convert File
- Edit File
- Merge File
- Protect File

### ➤ People:

- Professor
- Students
- IT expert
- General Users

### ➤ Product Experience

- User
- Friendly
- Good UI
- Free of cost

### ➤ Product Functions

- Download
- Upload
- Search

### ➤ Product Features

- Effective Connecting
- Sharing
- Feedback Option

### ➤ Components

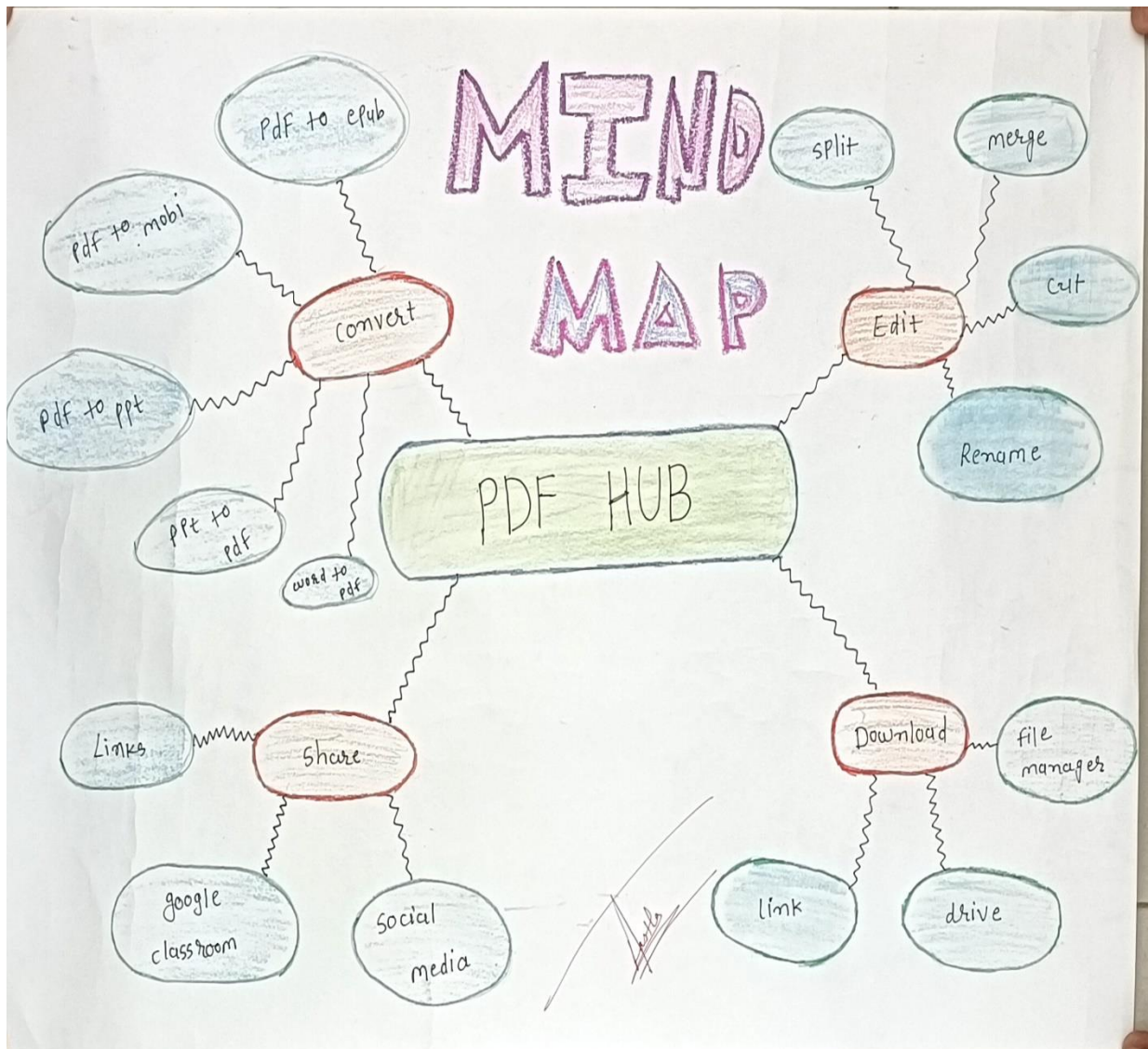
- JavaScript
- Boot Strap
- SQL

### ➤ Customer Revalidation

- Good Performance
- Bug- Free
- User Friends
- Easy to Use

- Reject, Redesign, Retain
  - No unnecessary Permission
  - High Speed Performance

## 2.6) Mind Map



## 2.7) Learning Needs Matrix

### **I. Purpose/Product concept:**

PDF Converter

### **II. Tools/Methods/Theories/Application process involved:**

During BE IV: HTML, CSS, PHP, Bootstrap.

During BE III: Visual Studio Code.

During BE II: C & C++ Language.

### **III. Application Standards and design/Specification/Principles and Experiment:**

During BE IV: File Type Conversion.

During BE III: Pdf 2.0

During BE II: Connect to technology.

### **IV. Component material's strength criteria:**

During BE IV: Adobe content pane, Tag pane, Accessibility full checker

During BE III: Js-pdf and react-dom/server

During BE II: Stable Internet

### **V. Software/Simulation/Skill/Mathematical Requirement:**

During BE IV: Compress, Convert and Collaborate

During BE III: Coding

During BE II: VS code, Xampp

# **Chapter 3:**

# **Feedback Analysis**

# **with User**

## **Feedback Analysis with User**

It's easy to use, no need to download, can convert online directly, best part is can convert any documents to pdf or vice versa. Only we need to watch ad which is fare enough as we don't need to pay a penny for it and get things work free of cost. PDF Convert free easy to use and requires no installation. The conversion happens online and free of cost. We can convert any files to any format without the watermark. It has got lots of cool features to explore and experiment. I deal with many PDF contracts, and whenever I need them converted, I use PDF HUB, and it works like a charm. It is fast, efficient, and free!

The ease of uploading and the benefit of uploading the document/file to almost all possible formats is best about this site. It has immensely helped me in my day-to-day life. It is an easy, fast and friendly way to get any document into a pdf or a pdf into any other document you need with in seconds and effortless PDF HUB easy to use and requires no installation. The conversion happens online and free of cost. We can convert any files to any format without the watermark. It has got lots of cool features to explore and experiment

# **Chapter 4:**

# **Conclusion**



## Conclusion

Every tool you need to use PDFs, at your fingertips. All are 100% FREE and easy to use! Merge, split, compress, convert, rotate, unlock and watermark PDFs with just a few clicks. PDF HUB is best website for editing PDF with ease. Enjoy all the tools you need to work efficiently with your digital documents while keeping your data safe and secure.

With these pdf converters, you can not only convert your file to PDF but also edit your PDF file. They provide a lot of PDF tools for our daily use of PDF files, which can meet almost all basic needs. You can create or convert PDF files all in a single place. This PDF creator supports Excel, Word, PPT, JPG, PNG, BMP, TIFF & GIF

Today there are many free online PDF solutions available on the Internet. The only problem is that they we have to go different websites for our work, unlike software. That's why PDF HUB is a much more practical solution for us. In addition, while uploading and converting a document on PDF HUB in your computer is now essential to access most documents online and offline, PDF conversion is especially important for professionals and students who regularly use PDF. So before you upload and convert the first document, it is important to define your needs, which will avoid many disappointments.

# **Chapter 5:**

# **References**

## References

[1]Smallpdf

<https://smallpdf.com/>

[2]ilovepdf

<https://www.ilovepdf.com/>

[3]Sodapdf

<https://www.sodapdf.com/>

[4]Online Pdf Converter

<https://www.freepdfconvert.com/>

# **Chapter 6:**

# **APPENDIX-A**

## APPENDIX – A

### ➤ AEIOU Canvas

AEIOU Summary :		Group ID: 341126	Date:	Version: 1.2
Domain name: PDF editor/look				
<b>Environment:</b> cloud storage	<b>Interactions:</b> uses to browse uses to mobile	<b>Objects:</b> mobile laptop / desktop Internet		
<b>Activities:</b> log-in uploading converting searching editing downloading sharing		<b>Users:</b> Student Parents Experts Professors		

AEIOU

## ➤ Empathy Canvas

# Empathy Mapping Canvas

Design For  
Date

Design By  
Version

User

STAKEHOLDERS

ACTIVITIES

STORY BOARDING

HAPPY

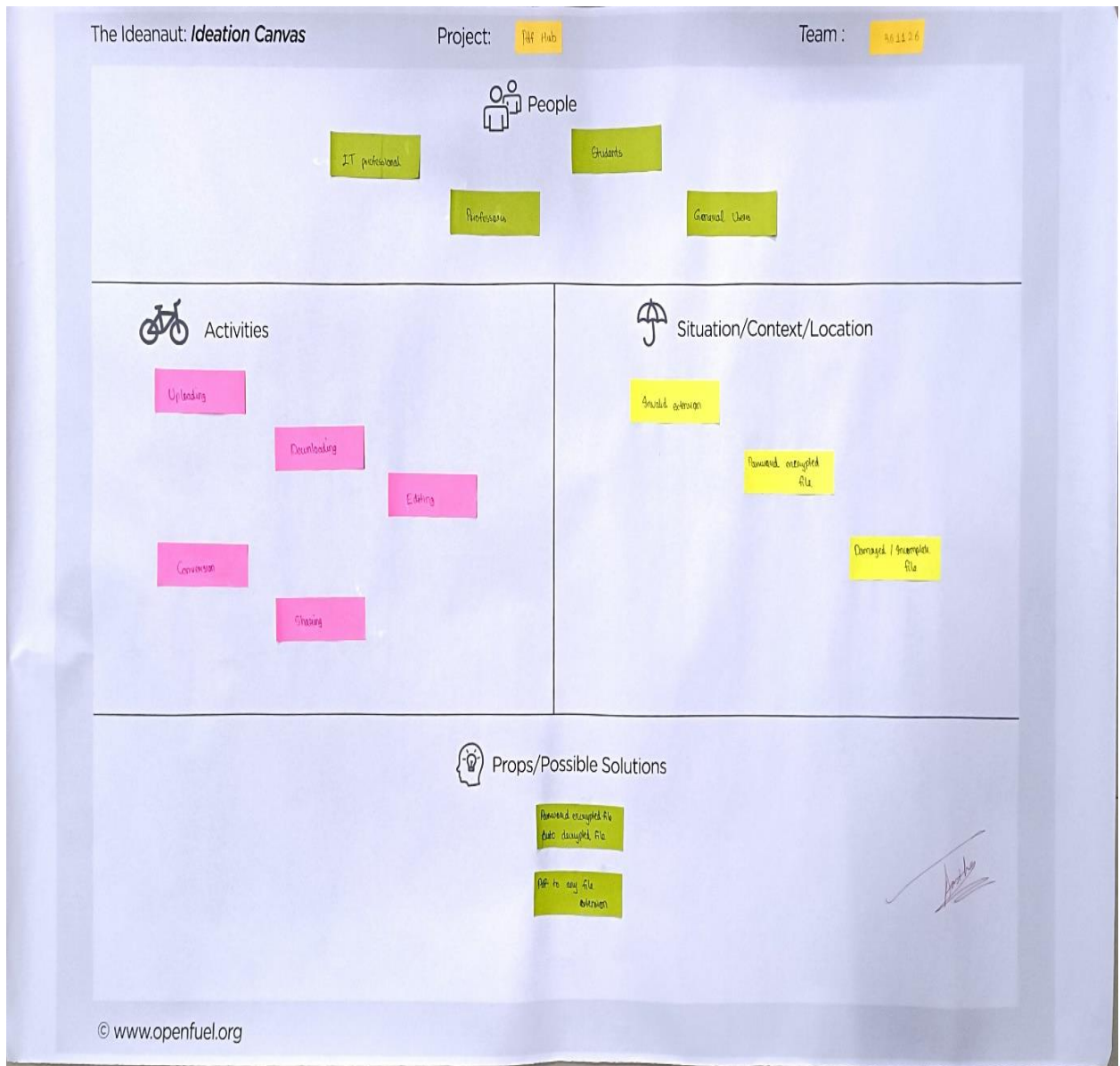
HAPPY

SAD

SAD

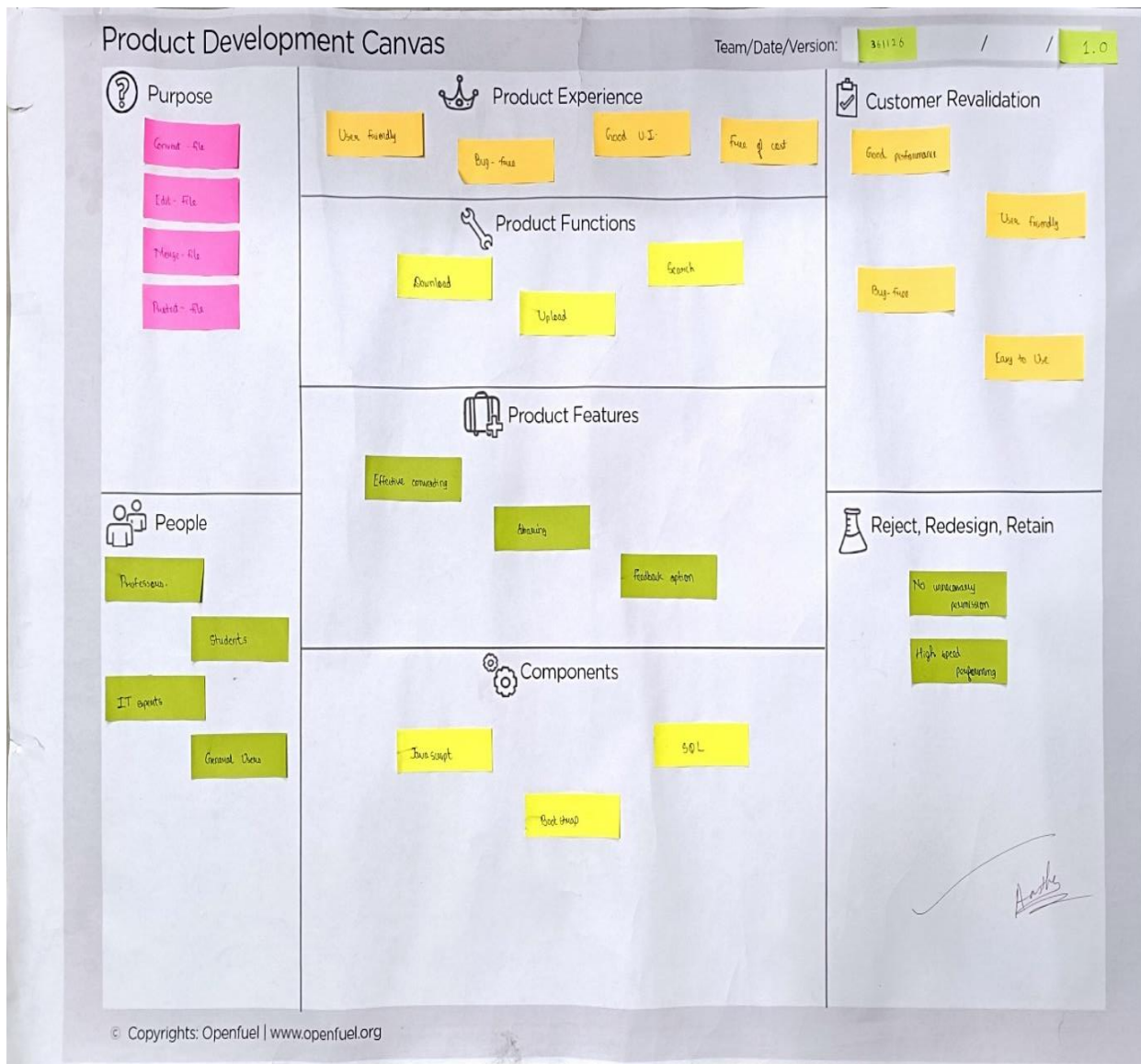
Empathy Canvas

## ➤ Ideation Canvas



Ideation Canvas

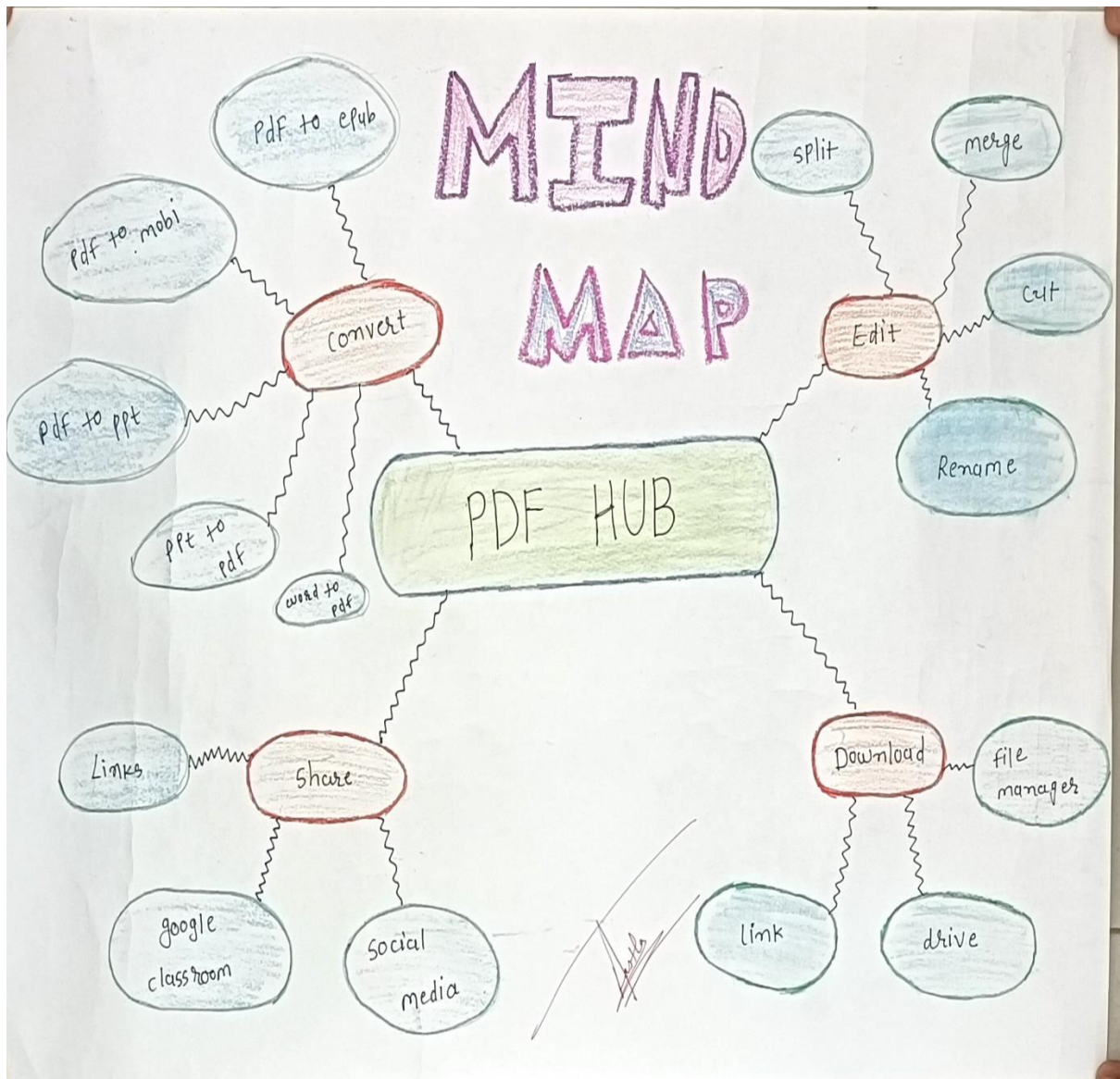
## ➤ Product Development Canvas



Product Development Canvas

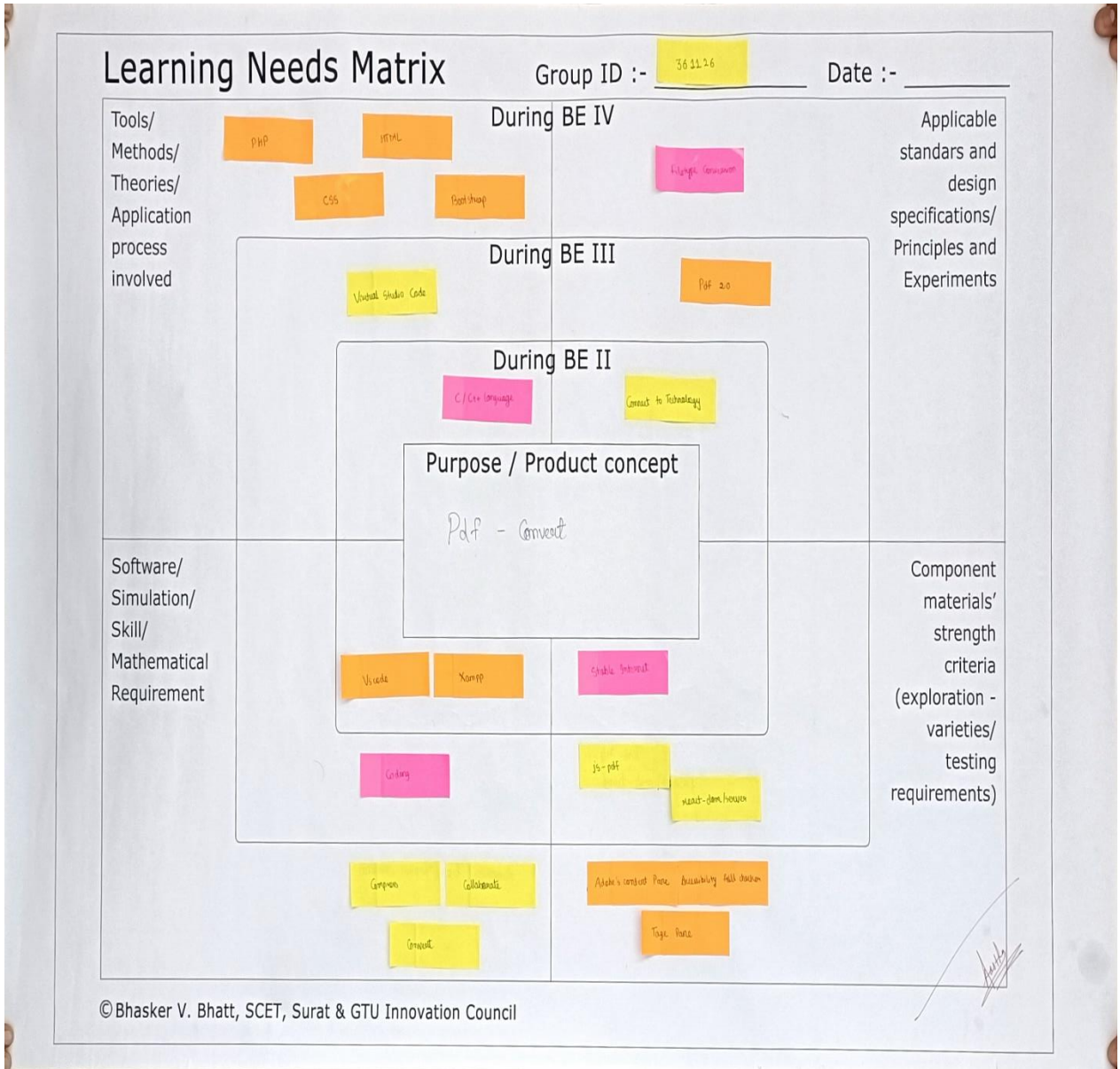


## ➤ Mind Mapping



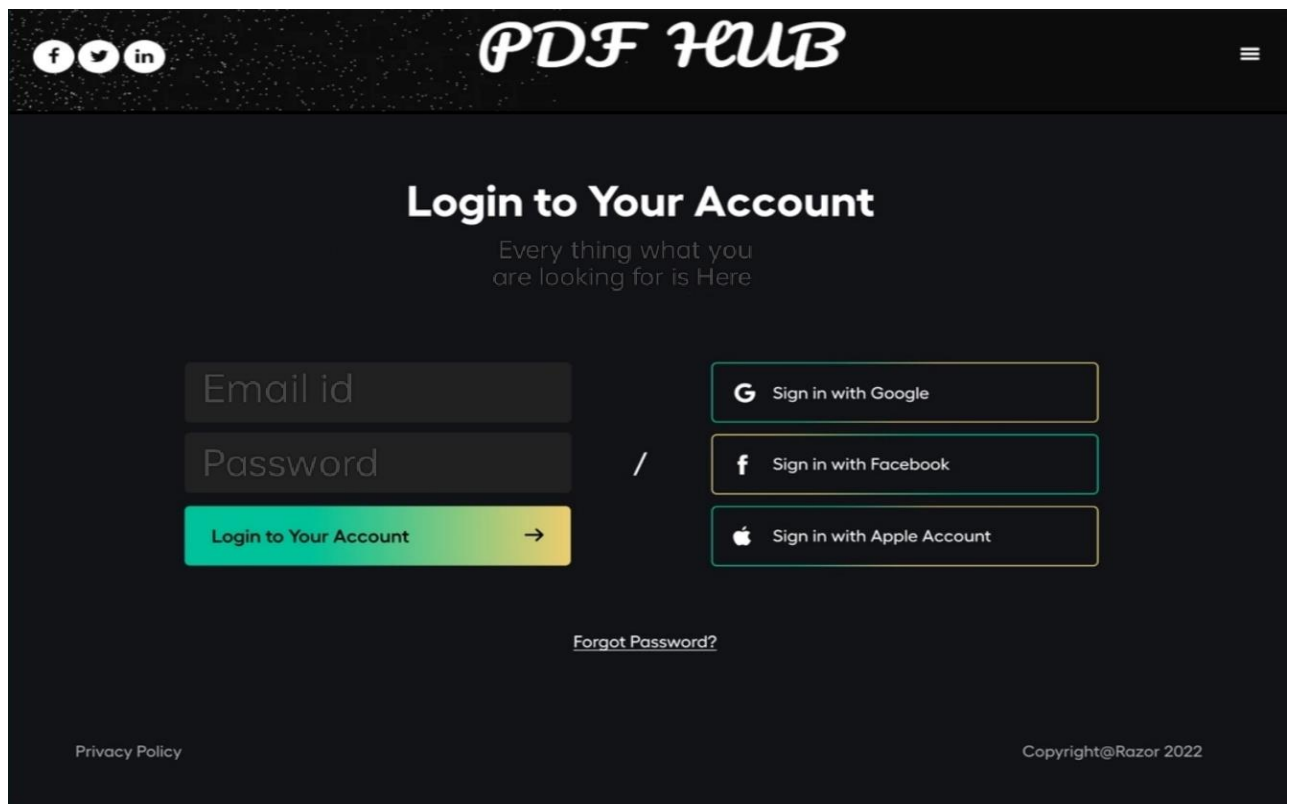
Mind Map

## ➤ Learning Needs Matrix Canvas



## Learning Needs Matrix

## ➤ Prototype



The image shows a login page prototype for 'PDF HUB'. At the top, there are social media icons for Facebook, Twitter, and LinkedIn, followed by the 'PDF HUB' logo in a stylized white font. A hamburger menu icon is in the top right corner. The main heading is 'Login to Your Account' in white, with a subtitle 'Every thing what you are looking for is Here' below it. The login form consists of two input fields: 'Email id' and 'Password'. To the right of the 'Password' field is a forward slash '/' and three social login buttons: 'Sign in with Google' (with a Google 'G' icon), 'Sign in with Facebook' (with a Facebook 'f' icon), and 'Sign in with Apple Account' (with an Apple logo icon). Below the input fields is a green button with the text 'Login to Your Account' and a right-pointing arrow. Below the login form is a link that says 'Forgot Password?'. At the bottom left is a link for 'Privacy Policy', and at the bottom right is the text 'Copyright@Razor 2022'.

PDF HUB

### Login to Your Account

Every thing what you are looking for is Here

Email id

Password

Sign in with Google

Sign in with Facebook

Sign in with Apple Account

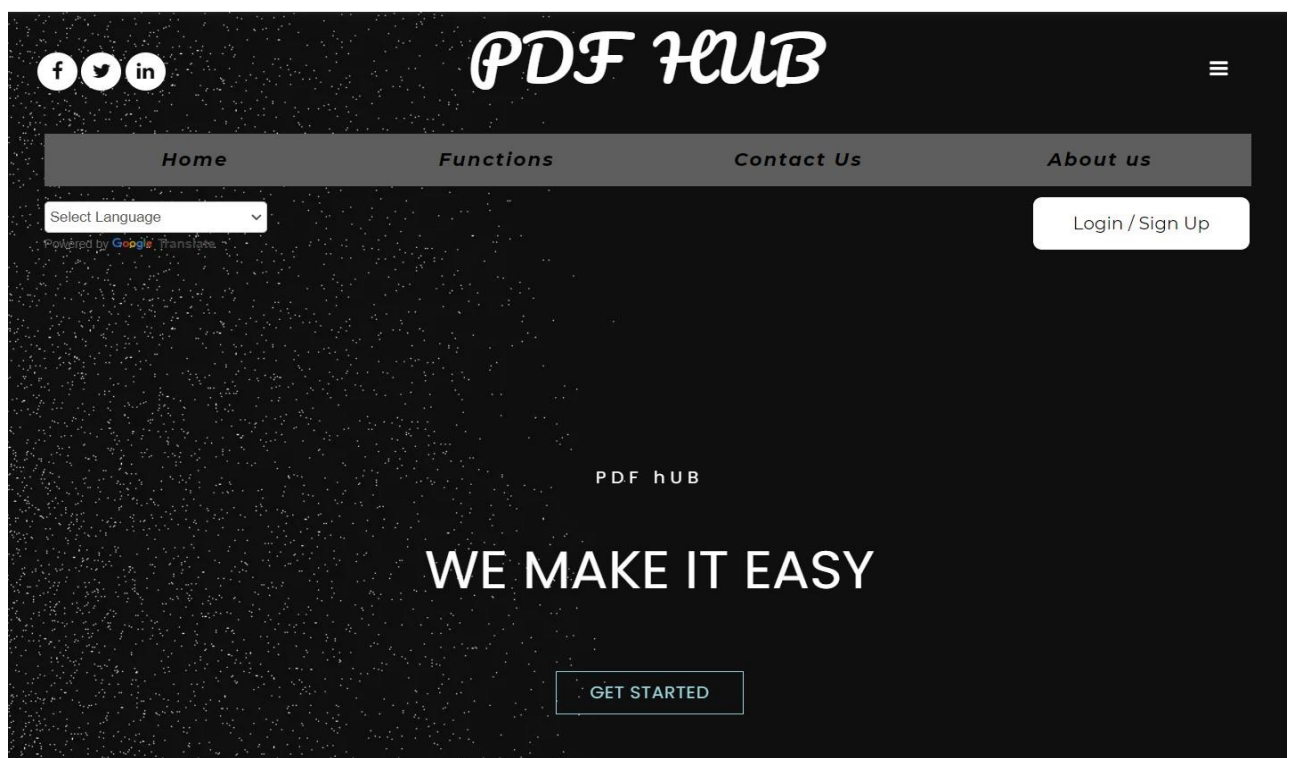
Login to Your Account →

[Forgot Password?](#)

[Privacy Policy](#)

Copyright@Razor 2022

Login Page



Home Page

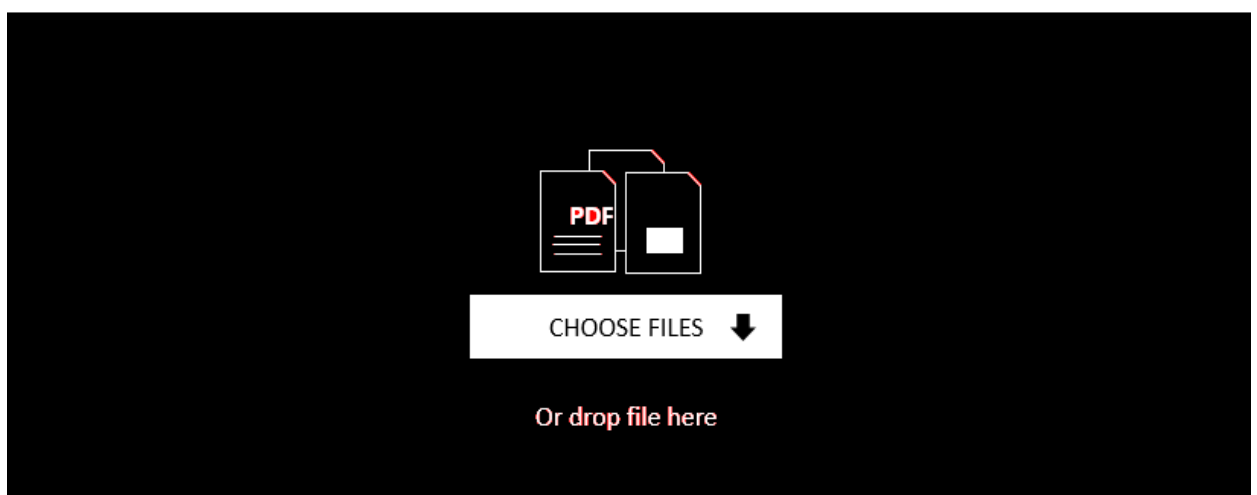


## Functions



### Compress PDF




Reduce the size of your PDF online




---

## Compress Function

---



PDF HUB



- Contact Us -

Work With Us


Name

Email

Subject

Message

☐ I'm not a robot

  
reCAPTCHA  
Privacy - Terms

SEND MESSAGE

Contact Us