

ASAP
A PROJECT REPORT
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Of
DIPLOMA
IN
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Under the guidance of

Komal Rani

Assistant Professor

CSE Department

Submitted by

Aditya Kumar (1810252)

Saurav Sanjay (1810250)

Avinash (1810253)

**SANT LONGOWAL INSTITUTE OF ENGINEERING AND
TECHNOLOGY, LONGOWAL – 148106, DISTRICT- SANGRUR,
PUNJAB, INDIA
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ACKNOWLEDGEMENT

WE (ADITYA, SAURAV SANJAY, AVINASH) FROM CDE-18 BATCH WOULD LIKE TO EXTEND OUR DEEPEST GRATITUDE TO ALL THOSE WHO SUPPORTED US IN REGARDING TO THE COMPLETION OF THE “ASAP” PROJECT AS WELL AS THEIR HUMBLE GUIDANCES WHILE OUR PROJECT WAS IN THE DEVELOPING PHASE.

AS SINCE 2020, WITH THE ONGOING UNCERTAINTY PANDEMIC, WHICH ALTERED THE LIVES OF ALMOST ALL STUDENTS AND THE NEWLY FACED THEME FOR ONLINE LEARNING BUT DESPITES ALL HINDERANCES, WITH THE SUPPORTIVE NATURE AND INVALUABLE INSIGHTS OF ALL FACULTIES AND THE COLLEGE MANAGEMENT, WE GOT ENOUGH TO BE ABLE TO DO OUR PROJECT. WE WERE IN REGULAR CONSULT WITH THE TEACHERS ASSIGNED TO US IN GOOGLE CLASSROOM FOR OUR PROJECT WORK.

FOR US, IT’S A GREAT LEARNING EXPERIENCE AND CAME ACROSS A VARIED NUMBER OF CONCEPTS RELATABLE TO OUR PROJECT. WE USED TO REGULARLY INTERACT AND WELL CO-ORDINATED WITH EACH OTHER VIA MEETINGS AS WE WERE NOT IN REAL-INTERACTION BUT DID OUR TASK WITH OUR CONSTANT EFFORTS TO MAKE SOMETHING GOOD FOR THE PEOPLE WHO GOING TO BE BENEFITTED BY OUR “ASAP PROJECT”. ONCE AGAIN, THANKFUL TO THE FACULTIES AND COLLEGE ADMINISTRATION FOR THEIR VALUABLE GUIDANCE.

ABSTRACT

Our proposed project “ASAP” is basically a web-based educational resource platform, created primarily for the students of “SLIET”, where one can get centralized educational resources for their academics. It is a responsive, simplified website offering resources like necessary PDFs, tutorials and app links from their respective streams of engineering. It is to serve the SLIETians, and created with the idea of bringing up all essentials resources under a roof. We got its motivation from the self –experiences only as in the first year of ICD, we were little bit unknown with what to study, from where to study and like these issues, so we used to think for having a place where we find all our queries as the new one getting admissions would not feel the same as we felt at some point of time. Therefore, we came up with our project ASAP and we are looking forward with gradual development or enhancements in the features of the project in the long run. We will also be letting all to know about our project later in the explanation of the entire project report here. We are quite optimistic for our resource platform, hopeful to have a positive outcome and people get easiness in accessing resources of our college.

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Chapter 1: Introduction

Our project “ASAP” is an attempt to create a centralized educational resource for SLIET, covering all varied streams of the engineering within SLIET.

Our main objective is to make it more resourceful with passage of time. Currently we are more focused for the students of computer science and engineering department, and will be extending our features and resources with all branches of engineering.

Our website is made responsive and hosted via github pages.

The website has majorly four sections named as:

- a. HOME
- b. RESOURCE
- c. STORE
- d. CONTACT

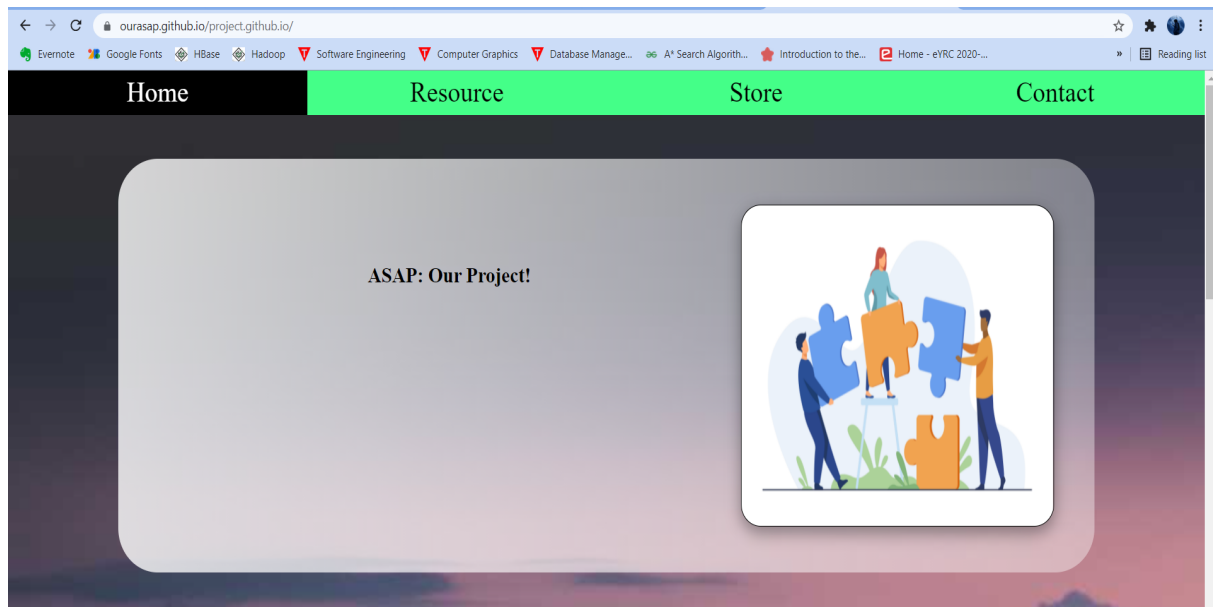


Figure 1.a: Showcasing the different section of the web page. Here the top navigation section has 4 sections in itself.

1.1 Home Section

It is basically the front page or the index page for the website.

In Home, we have introduction about our project and also gave an overall description of the rest of other sections of the website.

1.2 Resource Section

The Resource section will be containing cluster of different resource links in a well-organized manner such as, the relevant YouTube tutorials arranged in a sequence of priority or the links of useful website as related to our academics.

For instance: As seen by CSE student's view, they will do search for relevant video tutorials of their CSE syllabus or college based curriculum getting performed in SLIET.

So, he/she will search for programming languages, learning current trends of technology stacks and also being focused towards their placements regarding topics too that can be find conveniently and efficiently via "Useful Websites" sub section or videos tutorial via "YouTube Playlist" sub section.

1.3 Store Section

The Store section is containing a structured PDF documents for the SLIETians. There is also a provision for applying filter upon the type of user queries i.e it is having a category of students{ ICD/UG }

We have tried our best in making the overall operation and surfing of information on our website to be quite easy to adapt and at the same time, to be useful to our users end.

1.4 Contact Section

The Contact section is having a medium for the coming users to interact with the developing team in case if they wish to communicate as well as giving feedbacks, or any other query.

They will be able to contact with us via email that is embedded there for communication.

There is also a sub-section of “ABOUT US” where we have given a short description of the developing team.

1.5 Page Layout

Each page is having 3 common sections in its layout:

1. Navigation Section
2. Content Section
3. Footer Section

Chapter 2: Problem Definition

We majorly came up with the idea for pursuing this project from our self – experiences and seeing the on –going current pandemic, where the education of students has been adversely affected. And as classes were started for online mode, we were not so habituated with the online learning as we had no prior experiences regarding how to cope up and be updated with the learning phase. Also, as we stated earlier in report that in our first year ICD, we used to rush towards different resources for learning and up-skill ourselves. So therefore, we came forward to pursue the creation of this project for the solution of scattered resources.

So, ASAP is an attempt to minimize the bridge gap between previous condition and the present condition which will be operated in future and get minimized as far as we do hope so and looking further for certain improvements too. It should also be noted that while making up the website, we have tried to maintain a unique symmetry of the web pages of the ASAP via our technology stack i.e. HTML, CSS AND JAVASCRIPT as we have created a glass gradient effect and have tried to maintain the same theme throughout the pages, making our potential user's better UI and UX.

Chapter 3: Objectives

Considering the observations made in our problem statement and certain references, following can be the required objectives as listed below:

1. Simplifying Resource Access: Gathering of educational resources in a more simplified way.

2. Centralized Content: Providing a centralized resource website for varied streams of Engineering.
3. Filtering Capability: Category wise access filtering for ICD and UG.
4. Provision for Interaction & Communication: In case they wish to do some query, we have contact section. It's basically for facilitation in the easiness in the procedure for User Interaction (UI) and User Experience (UX).
5. Simplified Design: We have tried to maintain the symmetry of the modules of the project "ASAP". As in here, we have created a glass effect embedded with gradient feature with the help of cascading style sheet, making the interface interesting and attractive for the end user.
6. Flexibility: We have aimed to give further extensions of features in our project too in the later development process.
7. Open Source: Here, as we are hosting our website in GitHub, user can have visibility of the source code as kept in public mode here.

Chapter 4: Methodology Used

For the methodology illustration, we would like to state that for the initiation of the project was first of all, very exciting as we were making our first ever project and keen towards making it look well and good.

We, as a beginner started learning and exploring about how to make our project "ASAP" from scratch. We used to do constantly meeting sessions for discussion regarding how to make it completed. We also initiated the ample resources gathering so required in the learning phase. We used to held regular session of discussion for all relevant studies and analysis and also used to interact with each other in the entire project making time duration.

We used to share our ideas, knowledge and any important findings that can help in our project making.

As we were having prior knowledge of what idea we are going to make it in implementation helped us a lot. Our faculties significantly guided and interact with us

To make sure that we perform well as we all were not in real touch with each other due to the ongoing pandemic. Initially, in the learning phase we used to find technology stacks like HTML, CSS, JAVASCRIPT and decided which editor to make use of. We were reliable and took references from internet about the learning of these technology stacks as required for our project. It was a great learning procedure and applying what we learned in the hands on mechanism.

Considering with defined targeted problem statement and possible feasibility studies that was mandatory, we carefully planned our work-flow for our project “ASAP”.

We were eager to explore and implement it together in the sessions. Our co-ordination went well a lot and thus finally completed our project work.

From the user’s expectations, we used to debate like having what major features. For instance: a CSE student when come to our page searching for any resources, then his/her experience should be positive and they get their queries fulfilled . For this aim consideration, we designed the website in such a way that he/she would greatly hopefully like it.

While learning and exploring, we also come to know about many newer concepts and terminologies which we do wished to learn but was a bit limitation as they were more advanced concepts but we would like to say that though at present didn’t been able enough to apply but looking forwards to implement in future.

We used our technology stack to the fullest as possible for us to make optimization with our abilities and being convenient for all. If we see the user’s perspective, then the so developed responsive resource platform prove to be a good and promising one, having potential to get good recognition in our college.

We as a beginner have put our efforts and keen and optimistic that it would be liked by the SLIETians.

Technology Used:

HTML:

HTML elements form the building blocks of all websites. HTML allows images and objects to be embedded and can be used to create interactive forms. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. It can embed scripts written in languages such as JavaScript which affect the behavior of HTML web pages.

CSS:

CSS is designed primarily to enable the separation of document content from document presentation, including elements such as the layout, colors, and fonts.[1] This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple pages to share formatting, and reduce complexity and repetition in the structural content.

CSS can also allow the same markup page to be presented in different styles for different rendering methods, such as on-screen, in print, by voice (when read out by a speech-based browser or screen reader) and on Braille-based, tactile devices.

JavaScript:

JavaScript is the scripting language of the Web. All modern HTML pages are using JavaScript. A scripting language is a lightweight programming language. JavaScript code can be inserted into any HTML page, and it can be executed by all types of web browsers. JavaScript is easy to learn.

Our work-flow of the asap was basically in accordance with the technology stacks we chosen and the end user 's needs so that these two factors would work in co-ordination and as we having self past experiences so it proved to be a significant cause for making of the proposed project.

We also do paid attention towards the fact that our website structure and themes should be well defined in the very starting only .So keeping that in mind, in the home page of our asap, one can find overall theme soul of the project work.

It was a time worth spending upon learning and implementing the assigned project work and also doing self estimation of the work done like pro's and con's. Some of the good sides we already mentioned and now from certain flaws consideration, if we look then it should be noted that more features can be made available and we do admit that and we are eager to know your valuable suggestions and feedbacks as all these crucial in regard to the project success and admiration.

Chapter 5: Result and Screenshots

The proposed systems, is likely to have following results which we would like to show. It is greatly dependent upon the user's end as they are the one who going to use it. With due passing of development time of the project, which we did for the first time as a beginner was considerably a great experience to have. We came known to a lot of concepts which we didn't knew it before.

We would also like to state that our audiences (end users) to go-through our project and make utilisation of the work done.

The users can see our site, which is hosted via GitHub pages. As we made this website responsive it is as easier for user to consume content on mobile as on desktop.

ASAP: <https://ourasap.github.io/project.github.io>

Following is some of the screenshots of the project "ASAP":

1. Home Page:

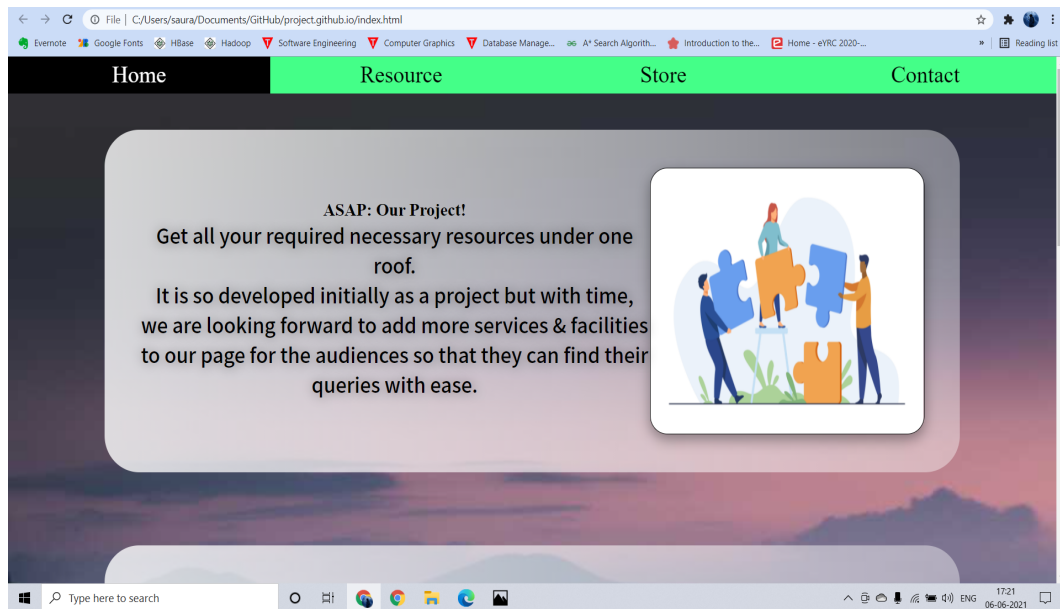


Figure 5.a: This is the home page of the website having top navigation bar with the content on the glassy gradient panel. This is in Desktop view.



Figure 5.b: This illustrates the home page in the mobile view.

2. Resource Page:

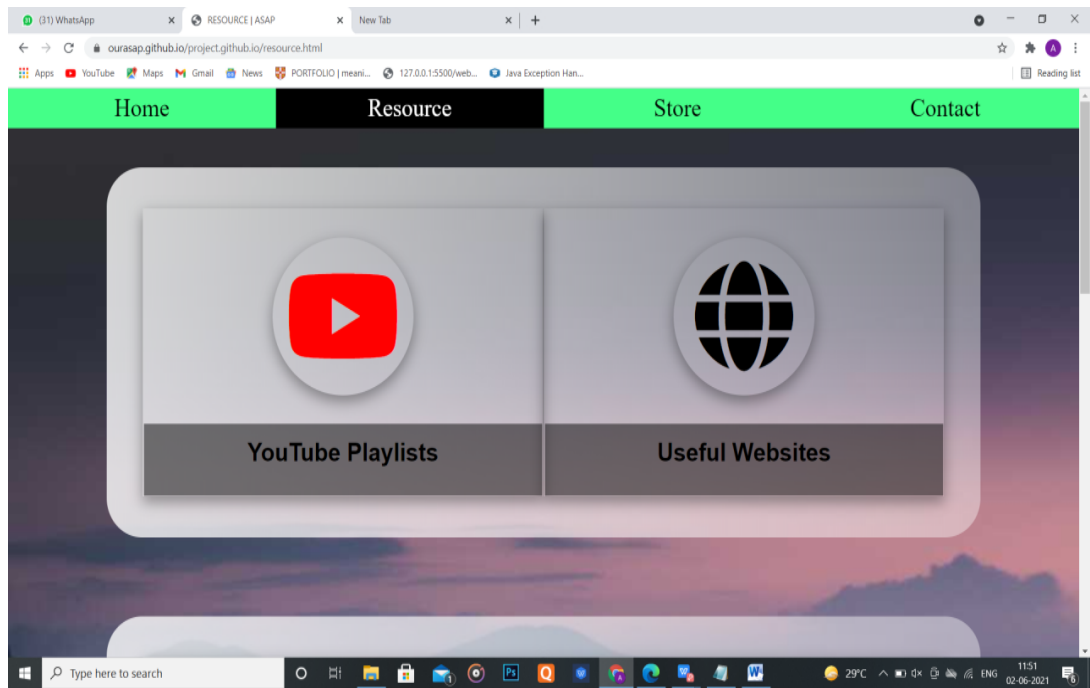


Figure 5.c: This shows the resource page of the website containing the youtube and useful website section. This is in desktop view.

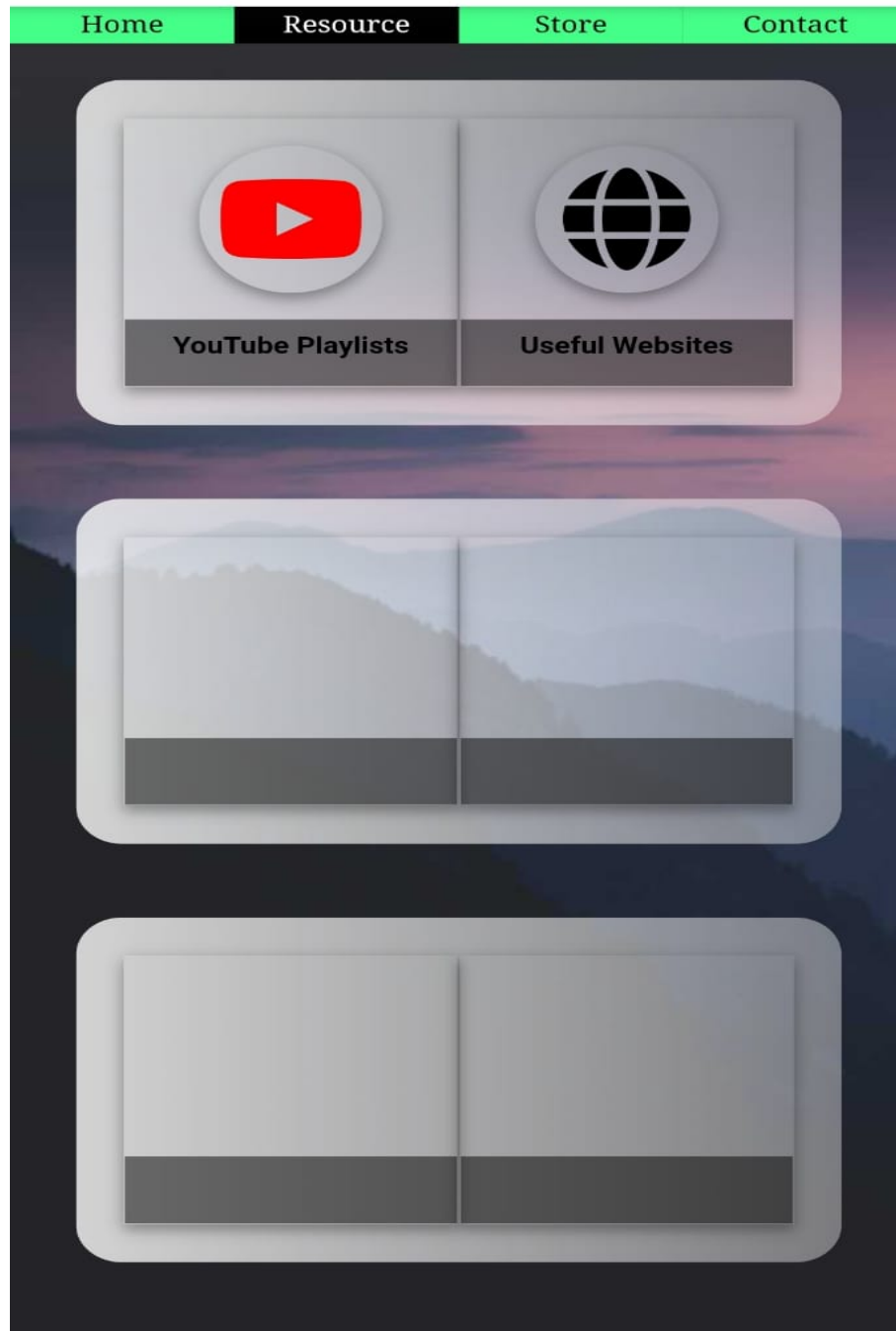


Figure 5.d: This illustrate the resource page in mobile view.

3. Store Page:

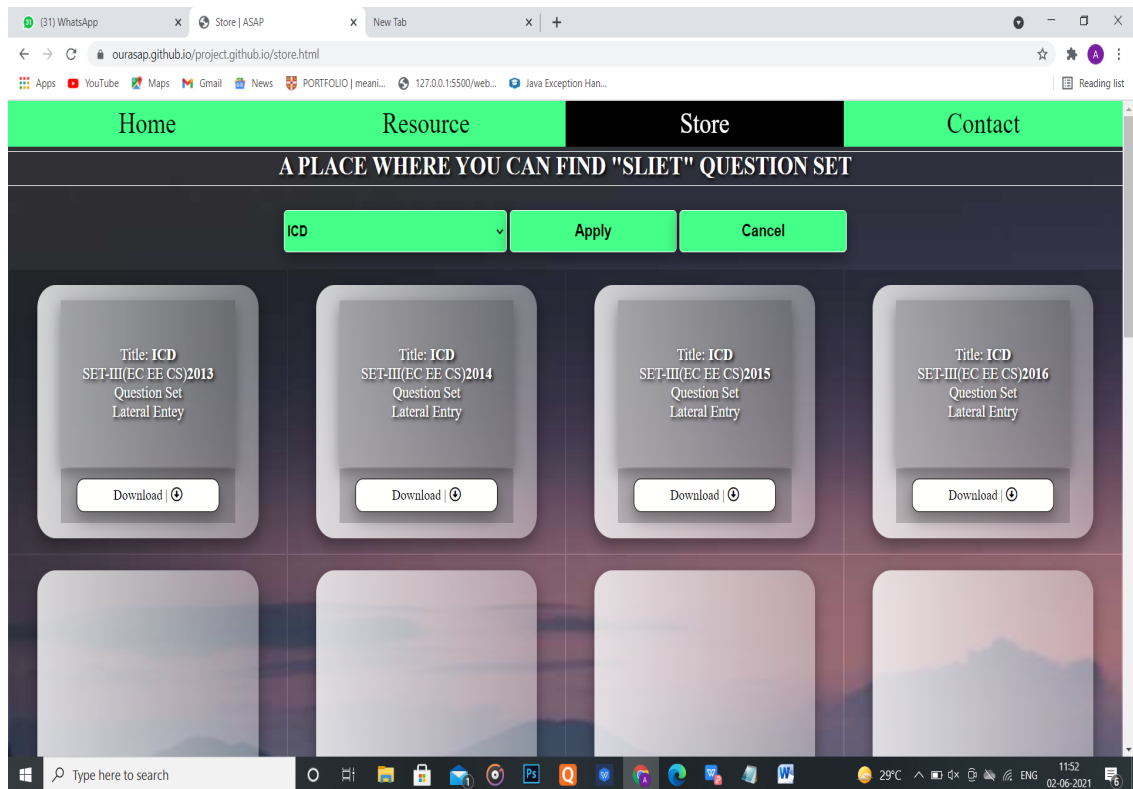


Figure 5.e: This shows the store page of the website where one can find all the question set of SLIET SET-III. Here user can also apply filter which makes it easier to access the right content. This is in desktop mode.

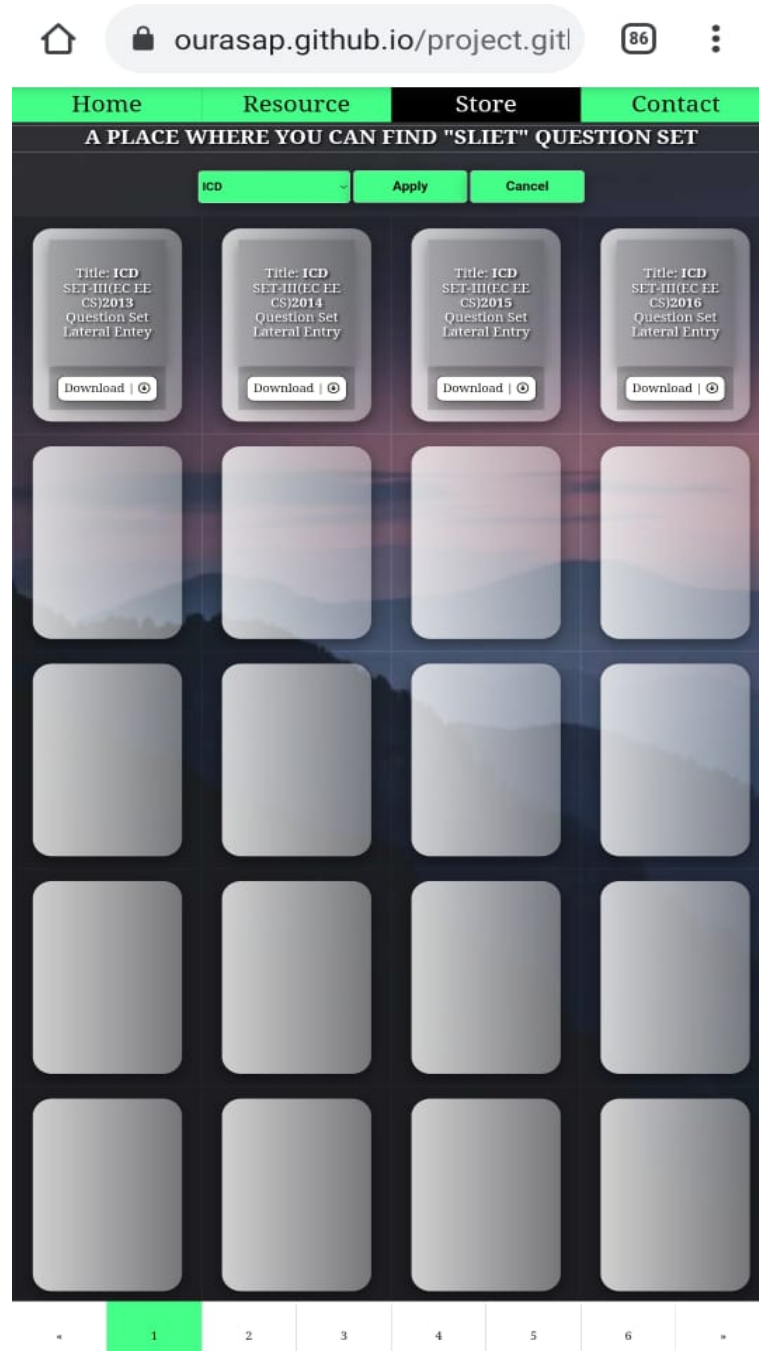


Figure 5.f: This illustrates the store page in mobile view. Here we have included the pagination concept for easy traversal across pages.

4. Contact Page:

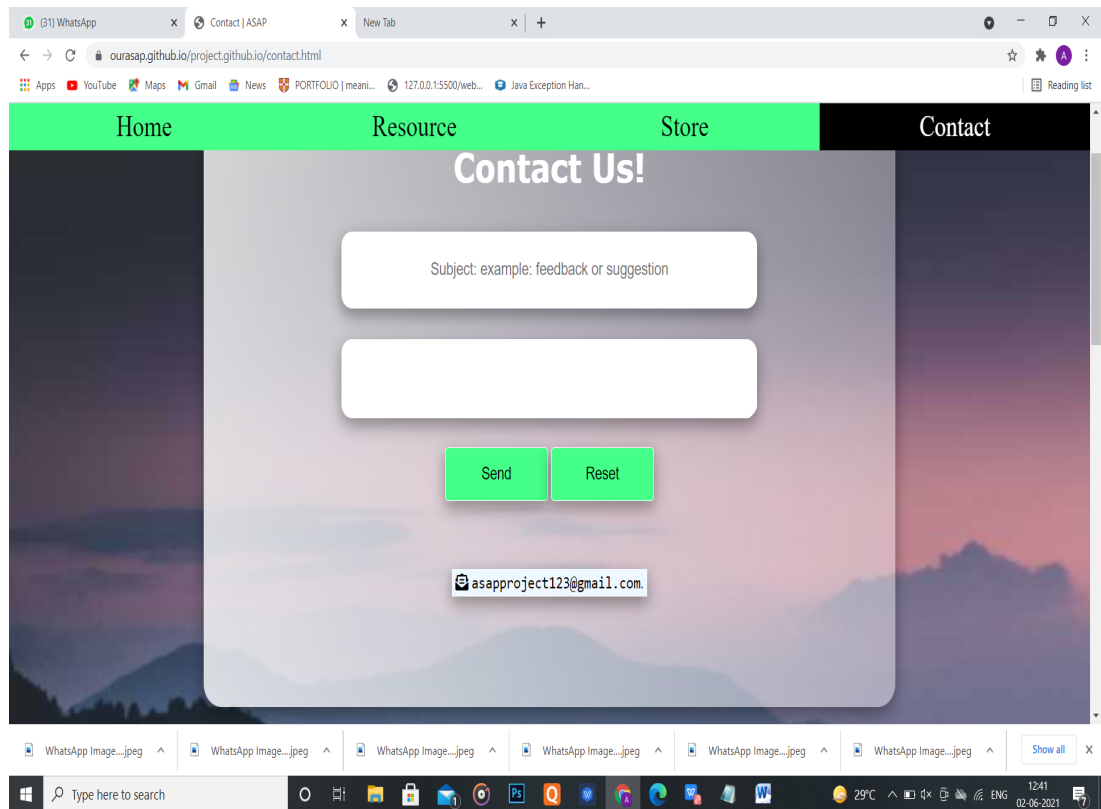


Figure 5.g: This shows the contact page of our website. Here user can contact with us and can also get to know about us. This is in desktop view.

Contact Us!

Subject: example: feedback or suggestion

 asaproject123@gmail.com

About US!



Aditya Kumar



Avinash



Saurav Sanjay

Figure 5.h: This illustrates the contact page in mobile view. Here user can also find the details of us.

Chapter 6: Conclusion and Future Scope

Finally, we have completed our proposed project and feeling overwhelmed to say so and optimistically looking forward for the responses. The purpose is hereby fulfilled and we have created the platform we wished for.

We would like to show our gratitude to all faculties, our project guide and ourselves to each other for their benevolent and helpful insights for our project. We summarize hereby and reiterate our main theme i.e., creation of a centralized, simplified and educational resource platform where one can get all required stuffs under one roof.

As we know that we always do explore the chances for betterment in everything available around us. Similarly, learning never stops and we are also having visions which we do wish to implement in the future.

Future Scope:

With this project we are looking forward to reduce the hustle we have faced in the past and this website will solve all those problems.

We are thinking of applying the following features in future depending upon the response we get for our website:

1. Blogs Facility
2. Alumni Connect.
3. Extending Features for Varied Streams of Engineering.
4. Imparting a Better Ui & Ux.
5. Better Resources for Students After Matriculations.

Blog facility:

Creation of blogs/post in our website in which we will publish trending topics which can be of any interests to the people. It would certainly aimed to increase social interactivity and learning varied skills and getting knowledge about various streams including engineering, science, sports etc.

Alumni connect:

Creation of a medium where we will be providing informations of notable alumni of our college so that it would be like a socially connect platform for slietians with the seniors.

REFERENCES

- From W3schools.com
- From YouTube Tutorials.
- From css-tricks.com.
- From freecodecamp.com
- We have learnt HTML, CSS and JavaScript from different source on internet.