12/18/2022

Web Technologies

WETC5001

Assessment 4 – Final Web Application Documentation and Demo

Student ID# 95169

Name: Samantha Salandy

Lecturer: Lisa Wharwood

Contents

..... 2

Introduction 3

..... 3

..... 3

About Us 3

Meet the Team 4

What We Do 4

Tools and Technologies 5

Project Details 5

Deliverables 8

1. List of Pages 11
2. Sample Images 11
3. Wireframe 13
4. List of technologies 14
5. Security consideration 14

The Plan 14

1. Concept Stage: 15

2. Inception Stage: 16

3. Iteration Stage: 16

4. Release Stage: 17

5. Maintenance Stage: 18

6. Retirement Stage: 18

Appendix 19

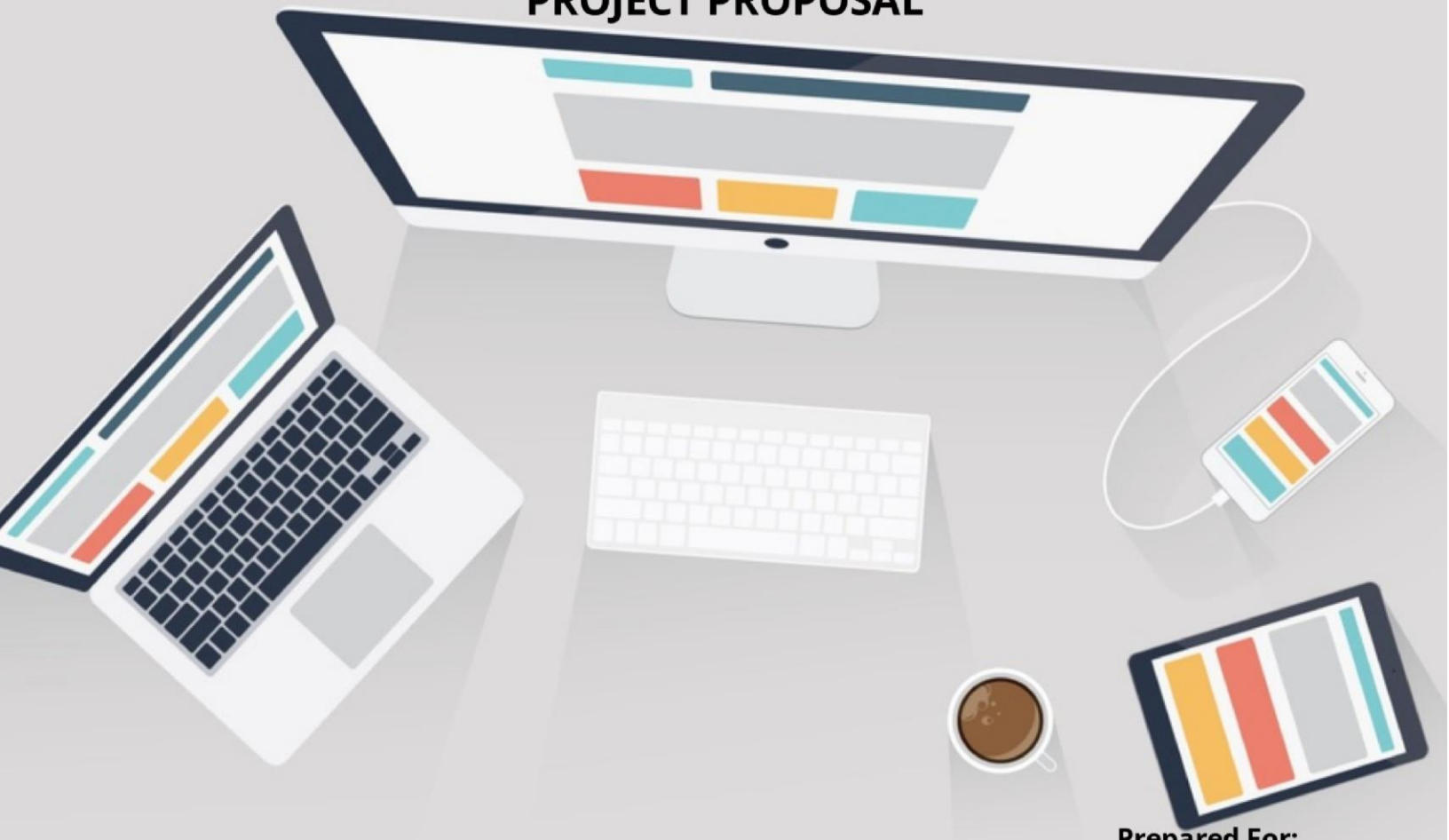
PowerPoint Video Link 19

Presentation Slides 20

Centre for Information and Communication Technology (CICT)

Website Design

PROJECT PROPOSAL



Prepared For:

Centre for Information and Communication Technology (CICT)

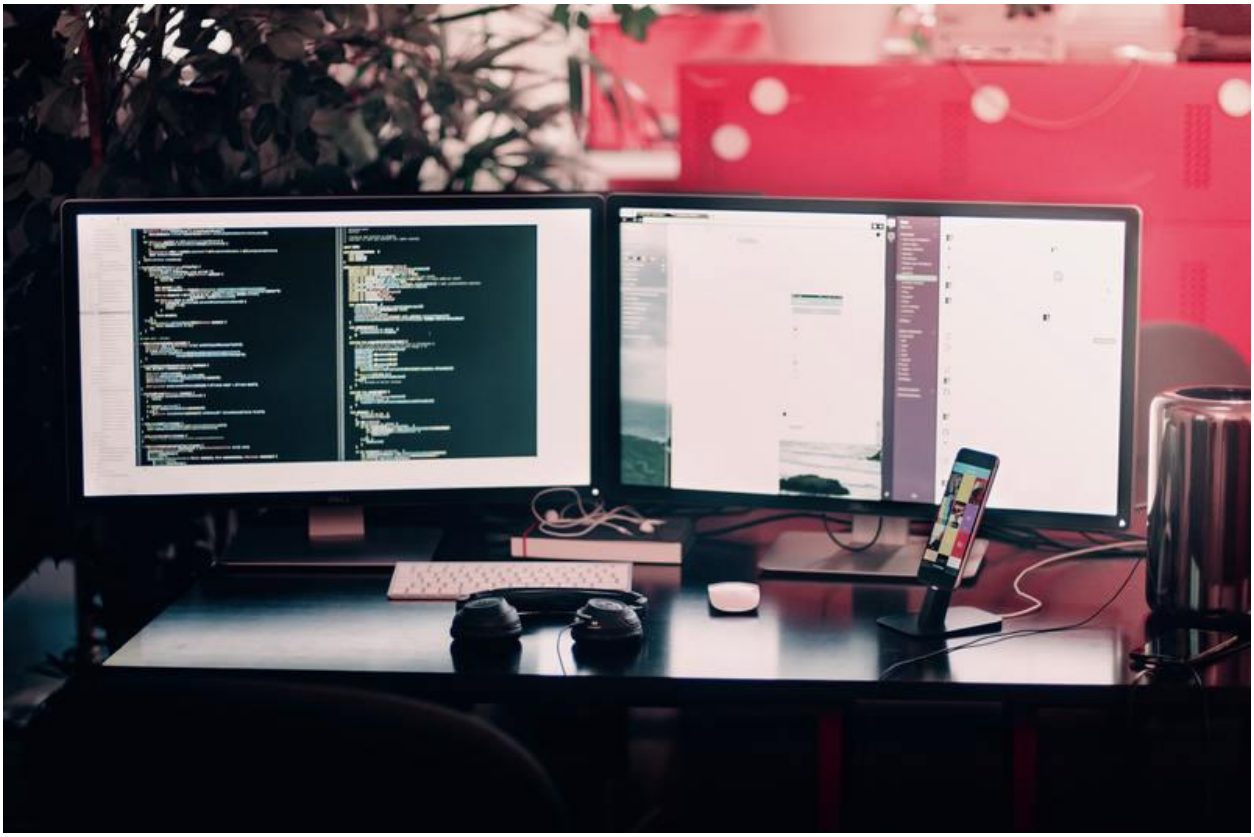
CICT@ict.edu.tt

From:

Samantha Salandy

Samantha's Web Design95169

Introduction



About Us

Samantha's Web Design95169 is a top provider of professional website design and development. During our [12] years of experience in the web development field, we have managed to secure a long list of satisfied customers. Although our clientele is mainly confidential additional references can be available upon request.

Using our clear and precise understanding of the website development requirements as it relates to the individual needs of our clients, our team prides itself in having the knowledge and experience required to complete each website project.

Meet the Team

Samantha Salandy / Senior Partner, Creative Director

Creating this company out of her dreams and imagination, Samantha Salandy has worked hard with investors to develop a strong team that has become well-known in the field of Information Technology and Website Design.

Her experience across a variety of industries—including technology, international relations, retail, communication studies and governmental services.

Committed to elegant solutions and powerfully simple communications, her areas of expertise are sustainable design solutions, logo design and integrated brand identity systems, brand design and strategy, print design, web design, digital media strategy, site architecture, and site marketing.

Reid Richards / Website Designer

Reid is a highly regarded designer whose process-driven approach to developing rich customer experiences helps our clients get into market faster and more effectively. For 15 years, he has applied his training in the areas of corporate identity, branding, and design for such notable clients in a variety of verticals.

John is committed to simplicity and passionate about crafting clear, engaging, effective communications. His dedication to design excellence—reducing complex, meaningful ideas to their visual essence—is accompanied by expert knowledge of colour theory and the simplicity of Artisan graphic design and typography influences.

What We Do

Samantha's Web Design95169 is a company that with you at each stage of the Website Design process and disciplines in the production and maintenance of websites. The different areas of focus include web graphic design; interface design; authoring, including standardized code and

proprietary software; user experience design; and search engine optimization. Our teams are small which means that clients get priority as each member focus on a different aspect of the building and creation of the website. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development.

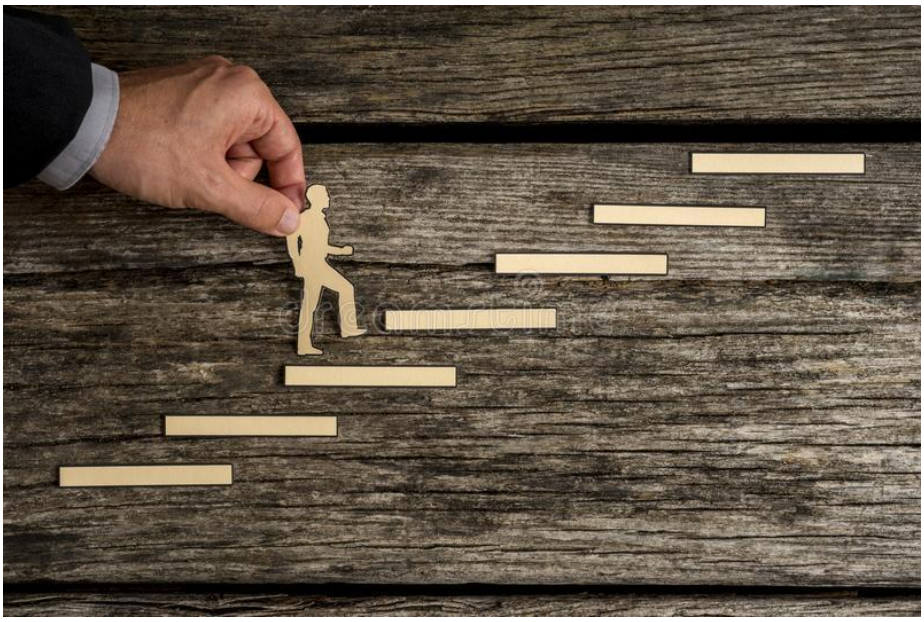
Tools and Technologies

Our web designers or web technicians as we call them are well-versed in a variety of tools that aid in different parts of the production process. These tools that are used are often upgraded to meet the global standards of website design and creation. The web technicians also design each aspect of the HTML and CSS process from its basic forms, meaning that each website will host unique properties due to client specifications. This means that the client's websites will be uniquely theirs as the company does not reuse past clients' designs. Technologies used to create websites include standardized markup, which can be hand-coded or generated by Visual Studio Code editing software. There was also a feedback system that would update clients on the status of their website and also allow them to provide feedback on each step as the project goes along. Search engine optimization tools may be used to check search engine ranking and suggest improvements.

Other tools web designers might use include markup validators and other testing tools for usability and accessibility to ensure their websites meet web accessibility guidelines.

Project Details

In order to develop a web site that fulfils all the goals of the web site development project, the proposed web development will take place in several distinct phases:



Planning

Samantha Web Design95169 will work with the client to determine the basic requirements needed for the development of the website. These include but are not limited to; the scope and description of the final website, including the overarching site goals, the number of pages, site hierarchy, student log-in services, language, and web tools used (i.e. Flash or carts), plus forms, animations/graphics, and other specialized content.

Concept Design

Sketches and/or page mock-ups will be created to reflect the potential appearance and the look and feel of the website for visitors. Once these are reviewed and approved web development will begin. This will also be the first area for client feedback.

Creation and Coding for Primary Pages

Primary site (i.e. top level) web pages are created in the previously determined language (HTML, PHP, VBScript) as per the previously discussed appearance, performance, and content

requirements. The primary pages will then be reviewed by the Client with appropriate feedback for revision.

Primary Page Creation & Coding for Secondary Pages

Primary website pages are revised and updated in accordance with the review/feedback. All site secondary pages are created including potential links from the primary page i.e. linking the Contact link from the home page to the actual contact details listed on a separate page. There will also be a secondary homepage when someone is logged in as opposed to the non-logged-in home page services.

Web Site Review and Testing

The finished website will be reviewed and all functional aspects tested (i.e. forms, carts). At this stage, there will also be potential redesign and recoding as necessary. It is at this stage that Samantha95169 makes sure that the website meets the previously defined client requirements.

Acceptance and Project Completion

Once revisions and modifications as per client instruction and initial reviews are completed, the website will be uploaded and go live. After a successful three-month period in which the website would be monitored, feedback is collected, and maintenance is done, the website project will be considered complete. There will also be a one-month check of the website just to make sure all functions are running properly.

Deliverables

The Samantha Web Design95169 company will deliver the following items during or at the conclusion of the software development project:

1) A fully functional and approved website in the required language(s) uploaded to the clients designated servers.

2)Feedback at several stages of the project duration.

The potential time line for project milestones and deliverables is listed in Table 1.

Milestone	Description	Complete
1.	Planning	19/11/2022
2.	Design Stage	22/11/2022
3.	Primary Page Initial Development	15/12/2022
4.	Primary Page Revision/Secondary Page Development	18/01/2023
5.	Review and Testing Period	05/02/2023
6.	Final Revision and Acceptance	14/02/2023

Estimate

Title/Description	Cost	Unit	Qty	Subtotal
Design	$5,400.00	/Site	1	**$5,400.00**
HTML / PHP Coding	$150.00	/Hour	80	**$12,000.00**
☐ **Ongoing Web Design Support (Optional)** Quarterly	$1,000.00		1	**$0.00**
☐ **Web Hosting (Optional)** Monthly	$224.00	/site	1	**$0.00**

Website Development:	$17,400.00
New Customer Discount (15%)	($2,610.00)
	$14,790.00
Ongoing Fees:	**$0.00 / Month**
Recurring:	**$0.00 / Quarter**
Due at Signing:	**$14,790.00**

Agree and Sign

By signing below, I, Samantha Salandy agree to the above pricing and deliverable schedule.

1. List of Pages

Home, Academics, Login, Student, Administration, Teacher, Admissions

2. Sample Images

Layouts of how each page would look.

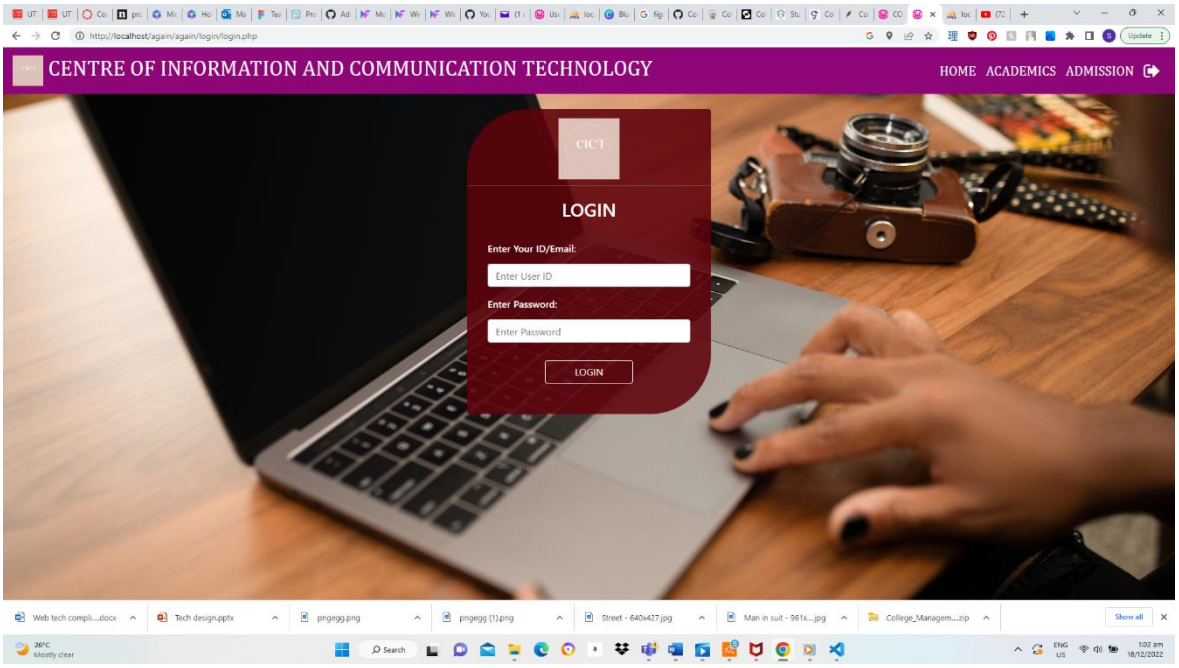


Figure 2.1 This shows the sample page for the main page for the website login for students, as well as the non-login homepage.

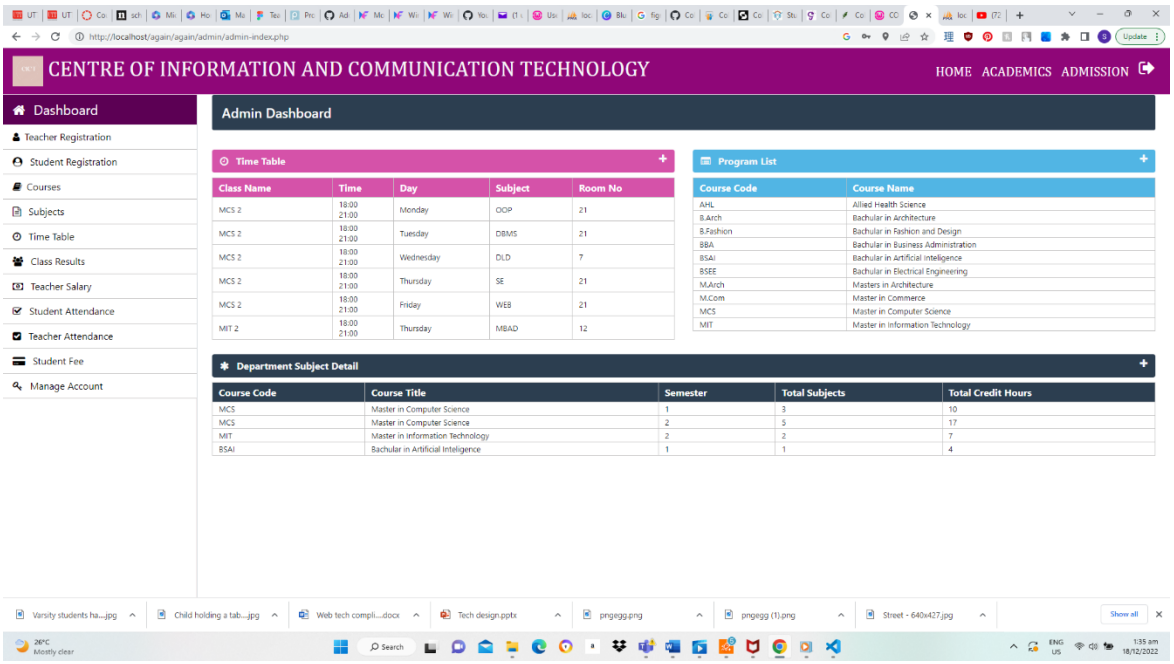


Figure 2.2 Showcases the administrative homepage where new students and teacher supports can be accessed and edited.

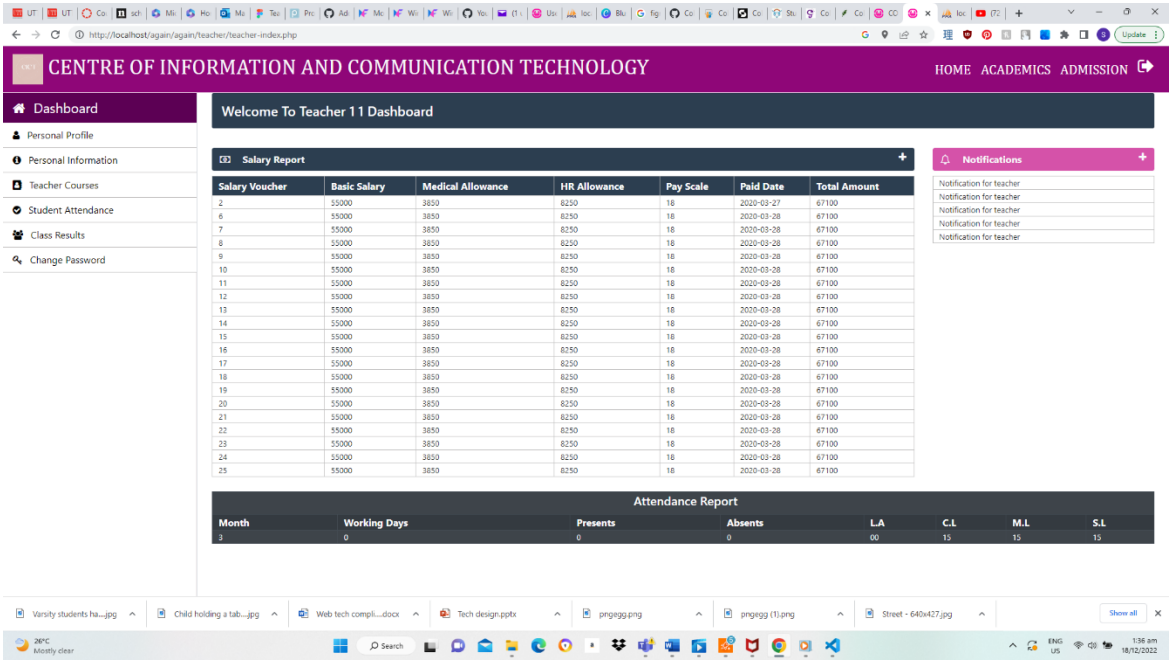


Figure 2.3 Shows teacher's homepage.

3. Wireframe

A structure of each page and how it goes from one page to the next. It's like a UI design.

A wireframe is a two-dimensional illustration of a page's interface that specifically focuses on space location and prioritization of content, functionalities available, and intended behaviors.

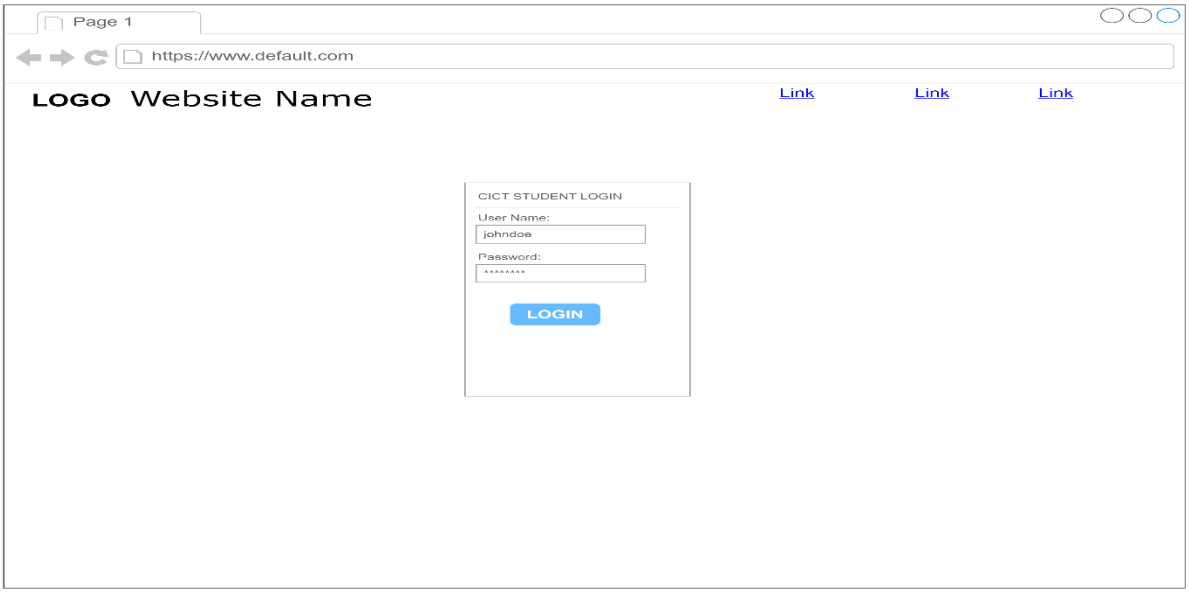


Figure 3.1 shows the wireframe for the website login page.

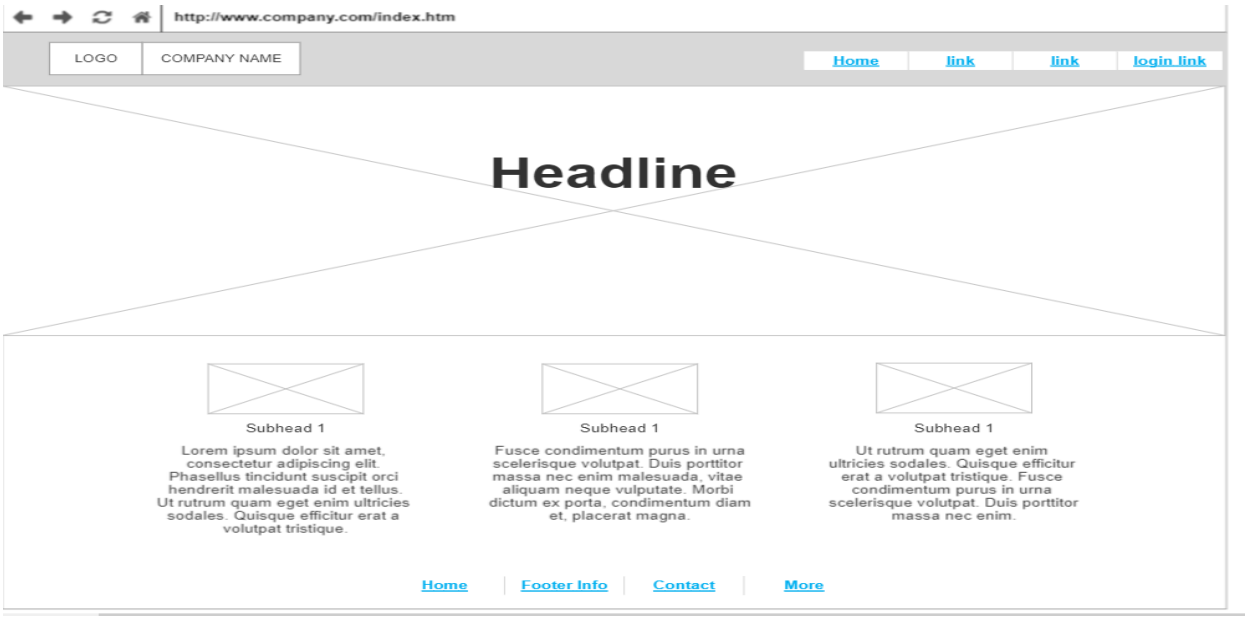


Figure 3.2 Lists the wireframe for the website home page.

4. List of technologies

HTML, CSS, Visual Code Studio, Canva, Microsoft Word, Mockflow, Nappy, Figma, PHP

5. Security consideration

All access to view and upload notices to the page wall will only be available after the student has successfully logged into the website. Passwords must contain one special character, at least one upper case, and lower case letter. Passwords should also be no less than 8 characters. Students can only log on using their valid student ID number or email credentials that have been provided by the center.

Design Methodologies

Web Development Methodology: Agile

The Plan

In order to facilitate the development of this website this project has been broken down into phrases to showcase the required steps. These steps will follow the Agile Development Process;

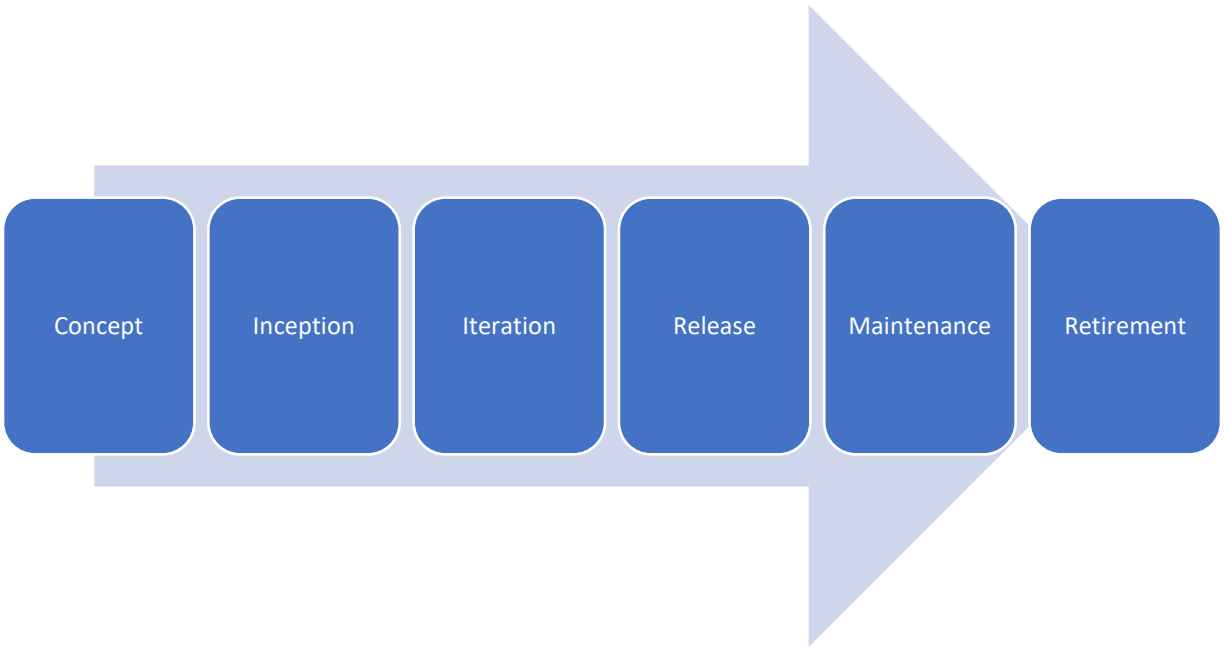


Fig 4.1 Showcases the order of stages that will occur during the timeline of the project.

1. Concept Stage:

This is the consultation stage where we meet with clients and discuss the necessary requirements that must be met throughout the implementation of the project. Here we focus on understanding the problem, figuring out the solution, and the nature of that solution. The main goal of this stage is to create an outline that explains how to get started on the project.

For the Centre for Information and Communication Technology the requirements for the website design include;

Priority	**Limited Priority**
Logged in Services	Separate Login and Home Pages
Student Portal/Dashboard	About Page
Upload Page	Student Information Page
Contact Page	School Logo Displayed
Footer	

2. Inception Stage:

At this stage, the following are negotiated with the client with further discussions;

- Availability of Resources.
- Delivery Time.
- Scope of requirements.
- Project Cost.
- Estimations on development

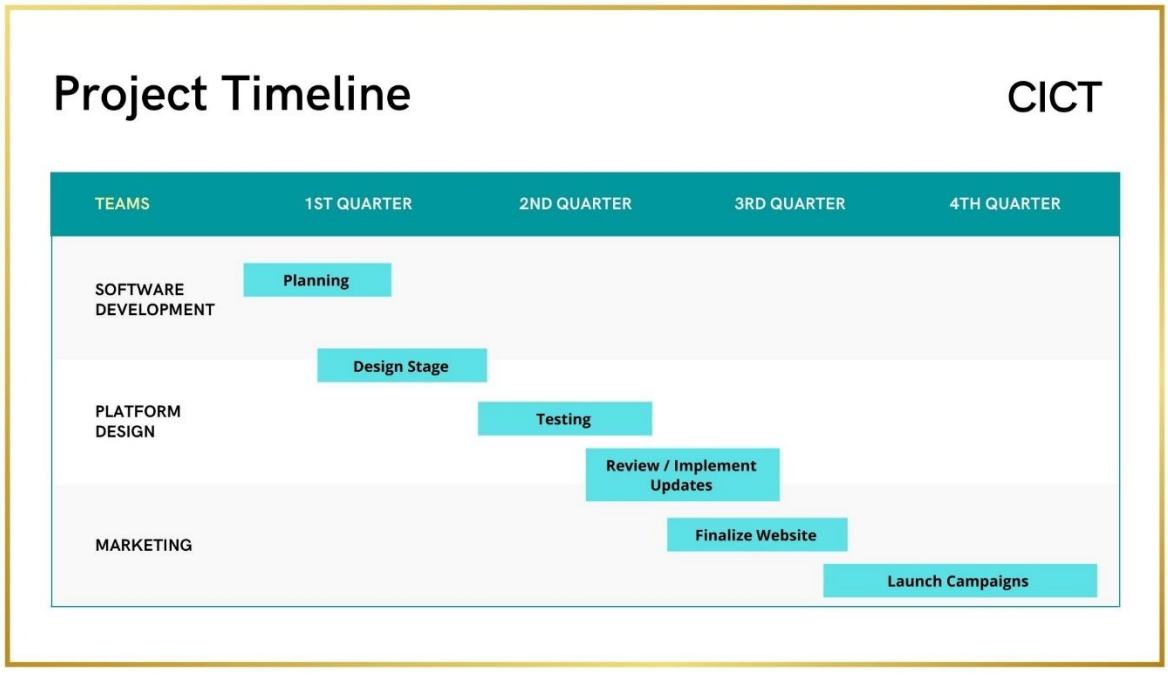


Fig 4.2 Displays the project timeline over a four-quarter time period.

Effective and efficient communication is very important at this stage to make sure clients' main requirements are understood and along with any and all documents are to be agreed to and signed.

3. Iteration Stage:

This stage will be broken down into five phases that will focus on the actual development of the product:

Phase 1: Plan requirements (as listed at the Concept Stage)

Phase 2: Develop Product (the Wireframe frame, Layout Concept, Create CSS, HTML)

Phase 3: Test Website (Checking website for coding & usability issues: page speed, broken URLs responsiveness. Error messages,) Creating a sample test group in order to test the usability of the website. Testing each page, animation, and link and making sure each one works properly. There will also be a pass or Fail test for each feature. During the testing phase, there would be requirements check to ensure that all clients' requests are met. There will also be a test to make sure that the website has been done to the correct standards of the company and the involved clients.

Phase 4: Deliver Iteration

Phase 5: Incorporate feedback (Editing website according to feedback)

4. Release Stage:

At this stage, the Product is launched under the client's official domain name.

The product will be released over a series of events in order to create an understanding of how the product works and to advertise the new websites to students, faculty members, and potential students. These events will include; workshops, meetings, email campaigns, and social media promotions in order to introduce the website, its features, and benefits.

There will also be feedback acquired at the release stage which would be taken into account for any necessary further development needed for the website to run smoothly. Once the website goes live, the analytics would also be monitored as well as some A/B testing in order to check for areas of needed improvement.

5. Maintenance Stage:

At this stage, any necessary feedback that was collected through the release stage would be used to make any adjustments that may be needed to better the website's performance. Maintenance of the website will also continue over a 3-month period before the project would be considered to be fully matured.

6. Retirement Stage:

At this stage, the website would be considered to be fully completed and the project would be listed as successful. At this time any and all outstanding balances related to the payment that occurred by the client must be settled.

Appendix

Important Password information for website login

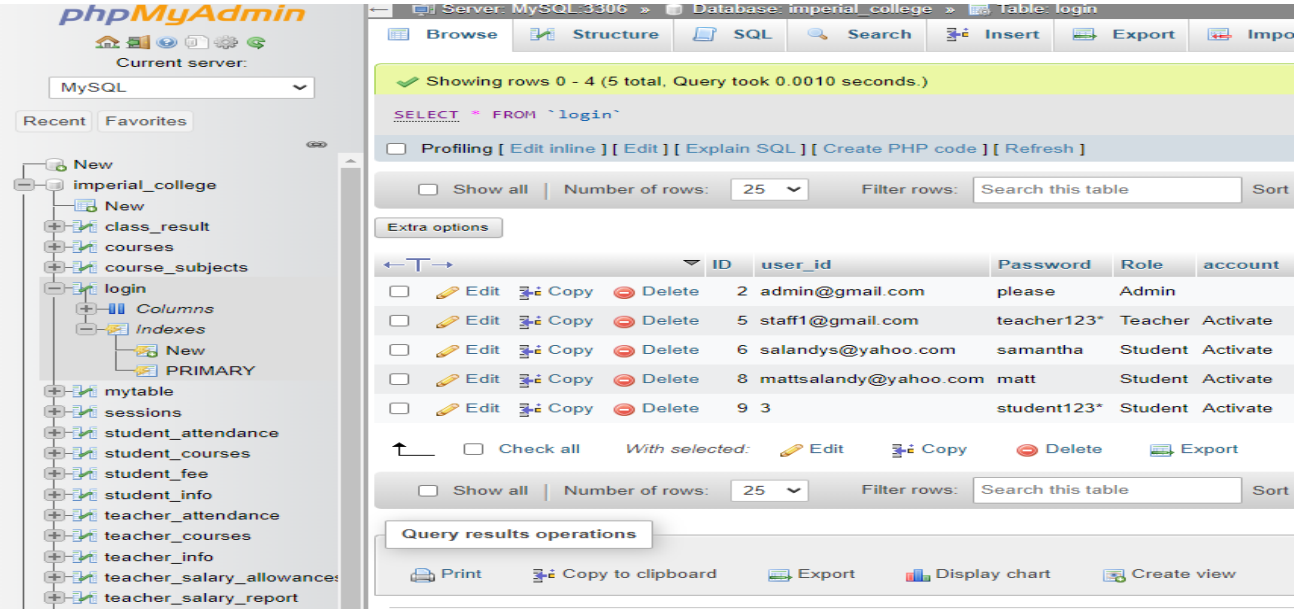


Fig 5.1 Displays important website passwords and user id for admin, student and teacher.

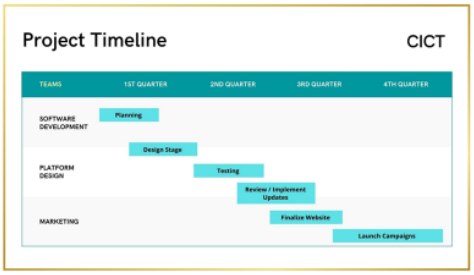
PowerPoint Video Link

https://youtu.be/aU4atxSdyZM

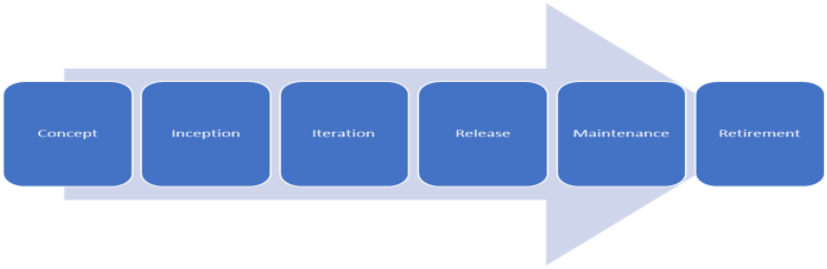
Presentation Slides

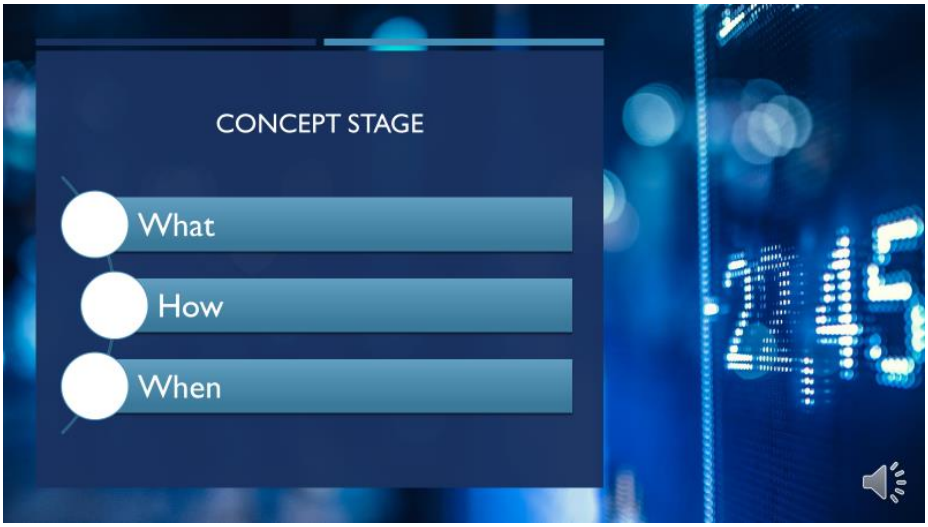
MAIN REQUIREMENTS FOR PROJECT

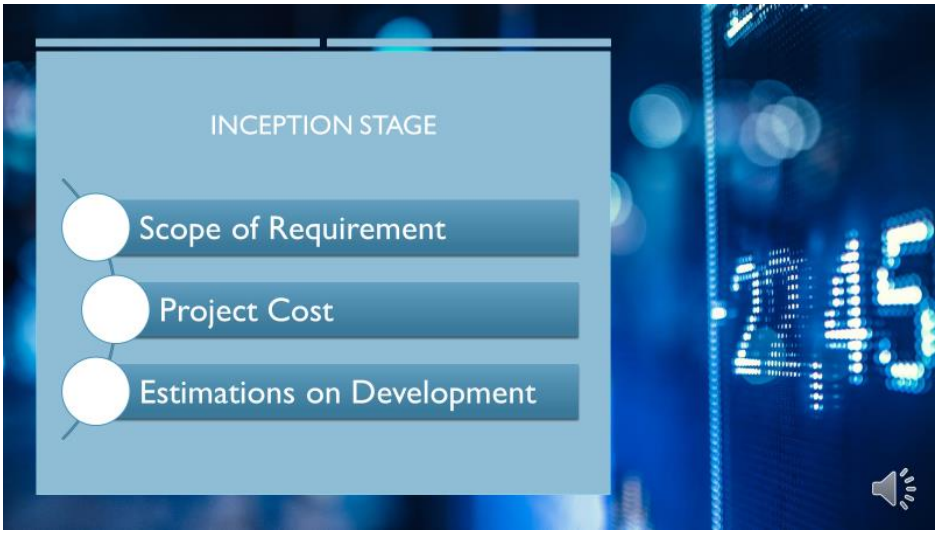
- Student portal
- Logged in services and non logged in services
- Contact and Footer page
- Home,Admin and Admissions Page

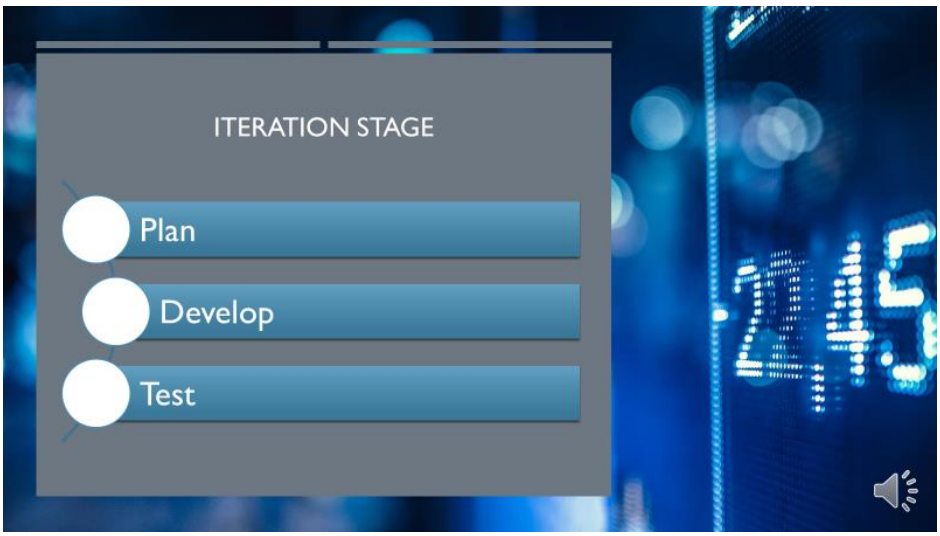


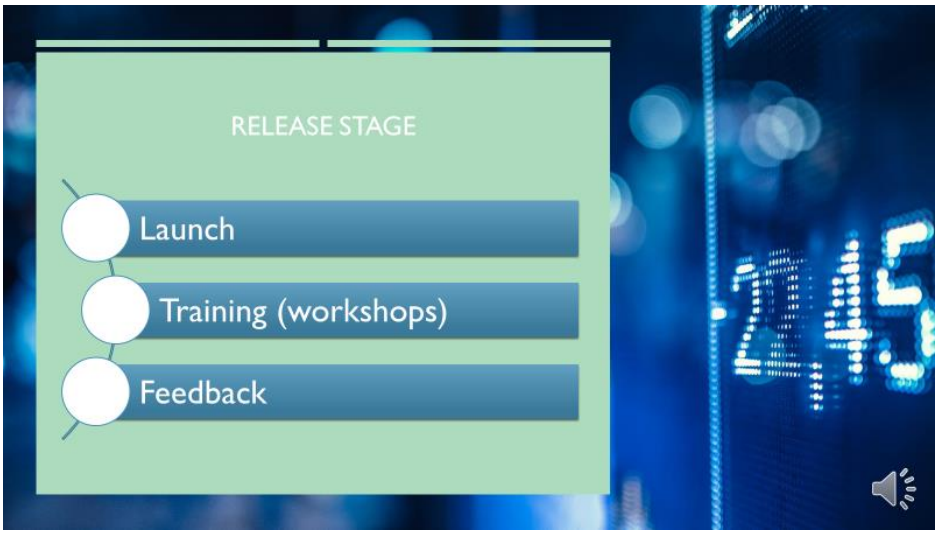
STEPS TO PROJECT COMPLETION

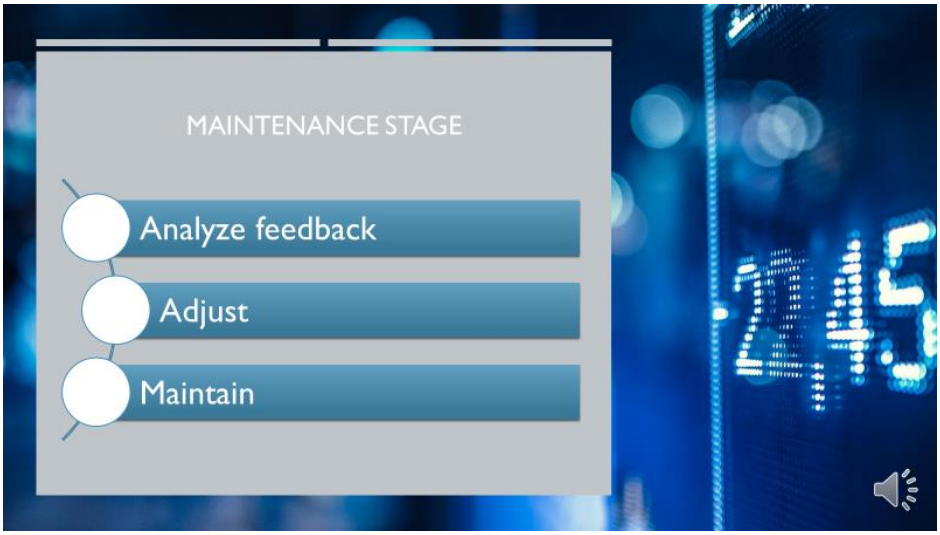


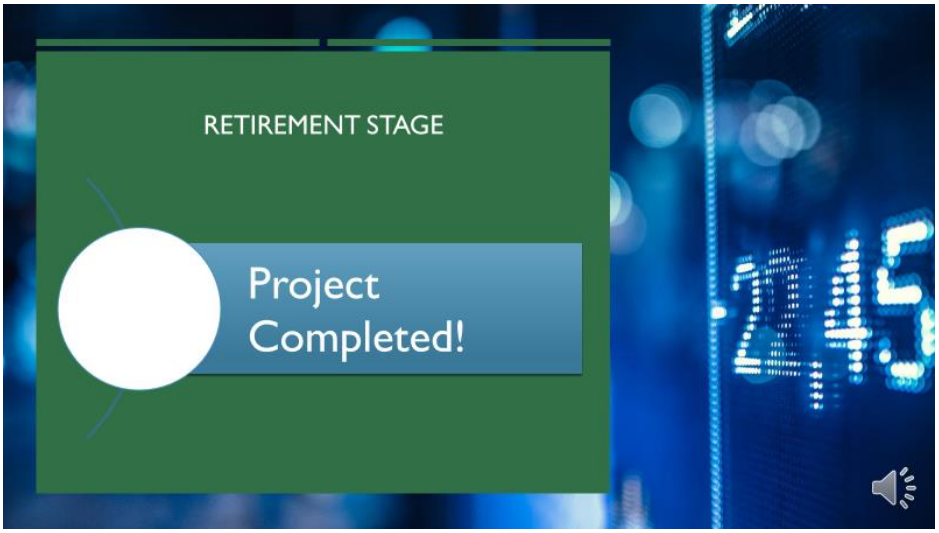


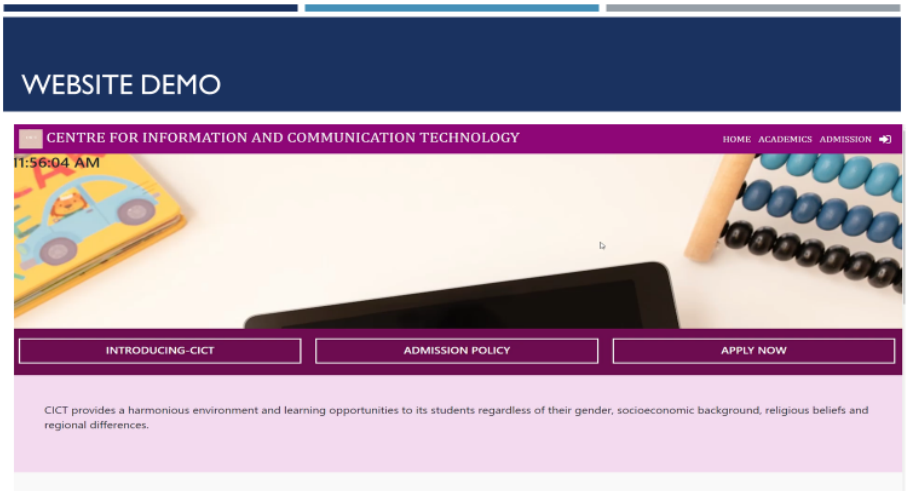

INCEPTION STAGE
Scope of Requirement
Project Cost
Estimations on Development


ITERATION STAGE
Plan
Develop
Test


RELEASE STAGE
Launch
Training (workshops)
Feedback


MAINTENANCE STAGE
Analyze feedback
Adjust
Maintain


RETIREMENT STAGE
Project Completed!


WEBSITE DEMO
CENTRE FOR INFORMATION AND COMMUNICATION TECHNOLOGY
HOME ACADEMICS ADMISSION
11:56:04 AM
INTRODUCING-CICT
ADMISSION POLICY
APPLY NOW
CICT provides a harmonious environment and learning opportunities to its students regardless of their gender, socioeconomic background, religious beliefs and regional differences.

THANK YOU
SOMEONE@EXAMPLE.COM