



IT4010

Research Project

Designing a Website for your Project

Dr. Jayantha Amararachchi

Faculty of Computing



SLIIT

Discover Your Future

RP Team



Research Project

Designing a Website for your Project

**2025
Regular
Intake**




<https://forms.office.com/r/eUW11Tfrm7?origin=lprLink>

22nd May 2025

A background image on the right side of the slide shows a person's hand in a white shirt pointing towards a screen. Overlaid on this image is a text box with a white top half and a dark grey bottom half.

**Mark your
Attendance**



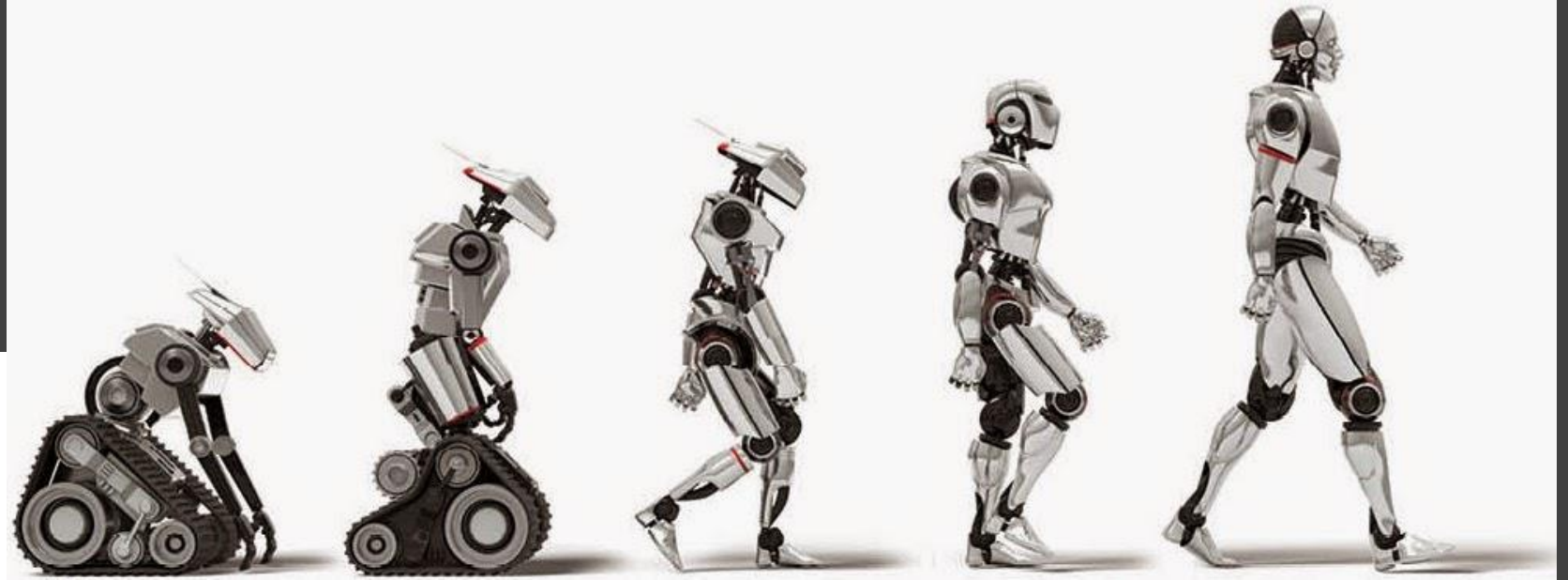
Developing a Website

Research Project

LAST CHANCE to be explored

Learning Outcomes

At the end of the module student will be able to:



Learning Outcomes

At the end of the module student will be able to:

- LO1: Provide a **creative** and **innovative** solution to **an open-ended** complex problem
- LO2: Apply the **key pillars** of the domain of computing
- LO3: Apply **project management methodologies** to provide a solution to an open-ended problem using appropriate techniques, tools, best practices, and standards, in the ethical, security, social, legal and professional context.
- LO4: **Communicate effectively** with a wide range of audiences including both technical and non-technical stakeholders.
- LO5: Assess the **commercial viability** of a project.

Designing a Website for your Project

Planning Your Website

Plan Your Website

- ❖ Create goals for your site
- ❖ Organize the site structure
- ❖ Create your design
- ❖ Design the navigation scheme
- ❖ Plan and gather your assets

Plan Everything **BEFORE** start..

Create goals for your site

- Decide what your **site goals** are the first step you take when creating a Web site.
- Ask yourself, or your **group members**, about what you hope to accomplish.
- **Write down** your goals so that you remember them as you go through the design process.
- Goals help to **focus and target** your Web site needs.
- The Web site you develop should have a different look and navigation than a Web site that you **sells products**.
- The complexity of your goals will affect the navigation.

Organise the site structure

- Organise your site carefully from the **start**
- Begins by creating documents in a **folder hierarchy**
- Create a folder on **your local hard disk** that contains all the files for your site (referred to as the local site), and to create and edit documents within that folder.
- Better than creating and editing files on the **live public Web site** itself, because it allows you to test changes in the local site before making them viewable to others.
- Break down your site into categories and **put related pages** in the same folder.
- Decide where to put items such as images and sound files (if any).

Creating your design

- Save a lots of time later if you plan your **design and layout** before you start building.
- You can simply create a **mock-up drawings** on papers of how you want the site layout to look and then follow it.
- **Maintain consistency** in your page layout and design which helps to ensure a good user experience.
- If all the pages have a different look, or the navigation is in a different place on each page, it might frustrate or confuse the user.
- Make sure your site **provides a consistent look** for your user.

Design the navigation scheme

- Think about the experience you want your visitors to have for navigation. Think about how a visitor will be able to move from one area to another. **Navigation** should be **consistent throughout** your **site**.
- Visitors should know where they are in the site and how to return to the top-level page.
- Search features and indexes make it easier for visitors to find information.

Planning and gathering your assets

- Once you know about your design and layout, you can create and gather the assets that you will need. Assets can be items such as text, images or media.
- Make sure you have gathered all of these items and ready to go before you start developing your site.

(If you are using images and graphics from a clip-art or someone else is creating them, make sure you collect them and put them in a folder on your site. If you are creating the assets by yourself, make sure you have created them all before you start development, including any images you need. Then organize your assets so you can access them easily while creating your site.)

Common Structure

Following structural criteria should go with the main tab area. Refer to the websites, that your seniors have created. (<http://cdap.sliit.lk/>)

- Home
- Domain
- Milestones
- Documents
- Slides of past presentations
- About us
- Contact us

Home

This gives a general introduction about the project, in abstract with concise and clear form. It should be very attractive. Therefore, the designer is free to use suitable graphics related to your project.

Layout and Design:

- A Good Home page doesn't overuse images & graphics and have a consistent layout and organization.
- The more general page, the more important, it is to have navigational aids and tables of contents (if possible-optional).
- Do not go with slow-loading graphics
- Optimize the graphics you use, by making them smaller and use few colors.

Domain

This section has domain details about your project. Describe the information you have gathered by the literature survey.

- ▣ Literature survey
- ▣ Research gap
- ▣ Research Problem
- ▣ Research objectives
- ▣ Methodology
- ▣ Technologies Used

Milestones

Describe all assessments in the project. When describe items in the list, include details of the assessment, date and marks allocated for each item as well. When design, use a drop-down menu for user to choose.

List

- ▣ Project Proposal
- ▣ Progress Presentation-1
- ▣ Progress Presentation-2
- ▣ Final Assessment
- ▣ Viva etc.

Documents

This section should list out all documents you have already produced and the documents that are pending (give only links) for users to view.

- Project Charter (one doc)
- Proposal Document (one doc)
- Check List documents
- Final Document - (4 docs with the main) etc.

Presentations (Slides)

This section provides the slides they have been used in the past presentations. Keep provisions for future presentations.


- Proposal presentation
- Progress presentation-1
- Progress Presentation-2
- Final presentation etc.

About us

- Group members
- Identification-photograph (if any)
- Contact details (e-mail)
- Any relevant information (achievements etc.)



Contact us

- General contacts phone numbers, e-mails
 - General e-mail template
- 

Upload your files to the course web

Disk space: Maximum 20 MB

Technology allowed:

Questions?

...



Thank You

CDAP Team



cdap@slit.lk



RP Team