The Mico University College, Jamaica
Faculty of Science & Technology
Computer Studies Department

B.Ed. (Secondary) Computer Science
Advanced Webpage Design – Assignment Sheet

GROUP LIMIT: THREE PERSONS

The Mico University College has hired you to create a website for the Faculty of Science and Technology. The website will display information relative to each department within the faculty;

i.   Natural Sciences
ii.   Human Ecology and Hospitality Services
iii.   Industrial Technology
iv.   Computer Studies
v.   Mathematics

The website should serve as an informational hub that showcases the various departments within the faculty, providing visitors with clear and engaging content about each department.

The website should be responsive, visually appealing, and user-friendly, incorporating modern web design principles. It must also include interactive elements and dynamic content using HTML5, CSS3, and JavaScript.

Assignment Requirements

1. Website Structure and Navigation

Create a multi-page website with a well-organized structure. The website should include the following:

- Homepage
  - A welcoming introduction to the Faculty of Science and Technology.
  - Brief descriptions of each department with links to their respective pages.
  - A navigation menu linking to all major sections of the site.
- Department Pages (One page per department)
  - Each department (Natural Sciences, Human Ecology and Hospitality Services, Industrial Technology, Computer Studies, Mathematics) should have its own page.

   o Provide a brief overview of the department, its mission and vision, and the programmes offered.
   o Include images, videos, or relevant media where applicable.
- Contact Page
   o Provide faculty contact details, including email, phone number, and office location.

2. Website Design and Styling (CSS3)

- Apply CSS stylesheets to enhance the website's visual appeal.
- Implement consistent color schemes, typography, and layout across all pages.
- Ensure responsiveness for different screen sizes (desktop, tablet, mobile).

3. Interactive Elements (JavaScript)

- Include dynamic content (eg. slider, dropdown menus, hover effects, etc.).
- Use JavaScript form validation on the contact page to ensure proper input submission.

4. Dynamic Features with PHP and Database Integration

- Store and retrieve information in a MySQL database dynamically.

5. Deployment

- Ensure all links, images, and database connections function correctly.

Creating the wireframe and Mockup   **15**%

Presentations Due: Week of March 10, 2025

Prepare a wireframe and mockup the bosses require that you submit a first draft of the document you are working on. With that, you are to prepare a mockup of the home page and one additional page to support your presentation of how the final document will be set up. To complement the mock up, you will also create the actual homepage and webpage depicted.

Aspect	Marks Alloca
The wireframe clearly identifies sections of each department's page - Header - Footer - Content - Main etc	15
The webpages in the mockup were created according to the wireframe.	25
TOTAL	**40**

Webpage Authoring   **25%**

Presentations Due: Week of April 21, 2025

Utilize the mockup created to develop a responsive website with the supporting HTML, CSS and Javascript features. The website should feature at least six pages to go along with the homepage. You have been given creative freedom to do your research and add any information you consider relevant to the creation of the faculty website. However, please be mindful of the following.

1. Pictures on each page
2. External stylesheet for the website
3. At least five (5) CSS features to format HTML document
4. Social Media links
5. At least 4 Javascript features to add responsiveness to the website

Aspect	Marks Allocated	Marks Awarded
The website follows the general idea of the scenario	5	
The website contains **at least** 6 web pages and a home page	7	
Similar navigation is used across the website	7	
Pictures are represented on each page	7	
At least 5 CSS features correctly utilized in styling HTML document	10	
External stylesheet used to format webpage information	5	
At least 4 Javascript features are utilized in the web page creation	4	
Database connection established to store form data	7	
Any 3 social media links added to the website	3	
Favicon added to the title bar	3	
Alternative font type used for webpage	2	
TOTAL	**60**	

<mark>**TO BE DONE USING THE A CODE EDITOR (Brackets, Notepad, Dreamweaver, Visual Studio Code, etc.)**</mark>

Inspiration:
1. https://www.mona.uwi.edu/fst/
2. https://sta.uwi.edu/fst/
3. https://www.utech.edu.jm/academics/colleges-faculties/fenc
4. https://moneaguecollege.edu.jm/index.php/faculty-of-science-and-technology/
5. https://www.lancaster.ac.uk/sci-tech/
6. https://www.fst.um.edu.mo/
7. https://www.umu.se/en/faculty-of-science-and-technology/
8. https://www.ut.ac.id/en/faculty-science-and-technology/
9. https://www.bournemouth.ac.uk/about/our-faculties/faculty-science-technology