1st Sit Coursework Question Paper   **Autumn Semester 2023**

Module Code:	**CC4057NI/CC4058NI**
Module Title:	**Introduction to Information Systems**
Module Leader:	**Mr. Hrishav Tandukar** (Islington College)

Coursework Type:	Group coursework
Coursework Weight:	This coursework accounts for *60%* of the overall module grades.
Submission Date:	
Coursework given out:	**Week 7**
Submission Instructions:	Submit the following to the Islington College's MST portal before the due date (before 1PM on the due date): ● Soft copy of the report ● ZIP files containing the source code of the website
Warning:	London Metropolitan University and Islington College takes plagiarism very seriously. Offenders will be dealt with sternly.

PLAGIARISM

You are reminded that there exist regulations concerning plagiarism. Extracts from these regulations are printed overleaf. Please sign below to say that you have read and understand these extracts:

Extracts from University *Regulations on Cheating, Plagiarism and Collusion*

Section 2.3: *"The following broad types of offence can be identified and are provided as indicative examples ….*

(i) *Cheating: including taking unauthorised material into an examination; consulting unauthorised material outside the examination hall during the examination; obtaining an unseen examination paper in advance of the examination; copying from another examinee; using an unauthorised calculator during the examination or storing unauthorised material in the memory of a programmable calculator which is taken into the examination; copying coursework.*

(ii) *Falsifying data in experimental results.*

(iii) *Personation, where a substitute takes an examination or test on behalf of the candidate. Both candidate and substitute may be guilty of an offence under these Regulations.*

(iv) *Bribery or attempted bribery of a person thought to have some influence on the candidate's assessment.*

(v) *Collusion to present joint work as the work solely of one individual.*

(vi) *Plagiarism, where the work or ideas of another are presented as the candidate's own.*

(vii) *Other conduct calculated to secure an advantage on assessment.*

(viii) *Assisting in any of the above.*

Some notes on what this means for students:

1. Copying another student's work is an offence, whether from a copy on paper or from a computer file, and in whatever form the intellectual property being copied takes, including text, mathematical notation, and computer programs.

2. Taking extracts from published sources *without attribution* is an offence. To quote ideas, sometimes using extracts, is generally to be encouraged. Quoting ideas is achieved by stating an author's argument and attributing it, perhaps by quoting, immediately in the text, his or her name and year of publication, e.g. "e = mc^2 (Einstein 1905)". A *reference* section at the end of your work should then list all such references in alphabetical order of authors' surnames. (There are variations on this referencing system which your tutors may prefer you to use.) If you wish to quote a paragraph or so from published work then indent the quotation on both left and right margins, using an italic font where practicable, and introduce the quotation with an attribution.

School of Computing, FLSC

For this coursework, the students are required to design and develop an e-commerce website for a store that sells various types of printers. Through the coursework, students should be able to demonstrate their:

1. Understanding of the basic Internet technologies and the impacts that the Internet has made in their daily lives.
2. Competency in designing a website with appropriate tools and technologies.
3. Capabilities of applying scripting languages to web pages.
4. Understand the structure of the website and simple navigation principles.
5. Awareness of website design considerations: e.g. usability and accessibility.

The guidelines for the **Website** are given below:

- Students are required to create an e-commerce website for a store that sells various types of printers with at least 5 web pages. The requirements of the different web pages have been mentioned below.
  - Brief description of the contents present on different webpages can be included on the Home page.
  - Blog page can contain a demonstration about how technology has affected daily life and business.
  - Different products with the product name, price (Discounted and actual price), description, and other suitable details can be included within the product page.
  - Research section should display and contrast the components used by the student on their website against the website that is investigated for research purposes. Here, include at least 5 different web pages as references for the website. (Hint: look into peculiar web components that their website possesses more than others)
  - The About Us section comprises the detailed portfolio of each team member of the group. A portfolio can contain technical and soft skills, educational background, volunteering experience, certifications, etc.
  - Functional form should also be included on the website.
- Website needs to be consistent with a proper navigation bar; allowing the user to fully navigate to all the sections of the webpage.
- Technologies to be used: HTML5, CSS3 and JavaScript.
- There also needs to be proper use of html tags such as title, meta, img, table, div, form and should implement proper tag nesting.
  - There needs to be proper usage of attributes and comments.
  - All the code should also be properly formatted and structured well.
- Internal, inline and external CSS should be used.
  - Proper justification for the usage of different CSS.
  - Comments should be present before all the major CSS element targets.
- JavaScript should be used to dynamically change the content of the website and do other tasks such as form validation.

- The HTML, CSS, JavaScript, and image files need to be properly site structured with proper naming convention.
  - Storage of files should be in proper folder structure.
- Comments should be included in every file.
  - Functions in JavaScript and logical division/separation in HTML documents must be well-explained with comments.
- Code should be well-structured.
  - Presence of all the elements of a basic HTML document.

The guidelines for the **Documentation** part are given below:

- Components should include a cover page, table of contents, figures and tables, and footer.
- The report must have an **Introduction** section introducing the different aspects of the project. The goals and objectives of the project should be included as well.
- The report should present the design, specifications, and implementation of the website. The wireframes and screenshots of the website should also be included.
- The report must have a **Testing** section; with suitable testing type and test cases. (minimum 5 test cases required)
- Also, the report must include a **Conclusion** section where they need to reflect on the work done.

NOTE: The technicality of the website will be judged during the presentation/VIVA of the website and marked accordingly. If the student is not able to justify his/her coursework, then the coursework will be subject to further inquiry.

Marking Breakdown for Coursework	
Criteria	**Total Marks**
Introduction	*5*
Wireframes	*5*
Development	
3.1 HTML	
Should include tags such as table, div, meta, image, form, etc.	*5*
Should use attributes, comments, and well-structured code	*5*
3.2 CSS	
Should use internal CSS	*3*
Should use inline CSS	*3*
Should use external CSS	*3*
Should use comments	*1*
3.3 JavaScript	
Should show creativity and use comments	*2*
Should use at least 1 function	*3*
Should use a least 1 pop up feature	*2*
Should dynamically change the content in the site	*3*
Content/Design of website	
Should show the impact of technology in blog section	*2*
Should include Products Page	*4*
About Us	*5*
Overall design	*4*
Should have at least 1 working form	*5*

Research section	*5*
Testing	*5*
Conclusion	*5*
Report Structure and Formatting	*5*
Presentation	*20*
Total:	**100**