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| **Diploma in Information Technology**  Assignment – Internet, Email and Web Designing | |
| **Student Name** |  |
| **Student ID** |  |
| **Branch** |  |
| **Batch No** |  |
| **Lecturer** |  |
| **Date Submitted** |  |

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| **List which assessment criteria the Lecturer has awarded.**  *(To be filled by the Lecturer)* | **Pass** | **Merit** | **Distinction** |
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| **Covered Assessment Criteria** – *(To be filled by the Lecturer)* | | | | | | | | | | |
| **LO1:** Exploring the use of Internet and Email for work and everyday life. | | | | | | | | | | |
| P1 |  | P2 |  | | M1 | |  | D1 | |  |
| **LO2:** Understand what are the uses of Internet and what is Internet Security. | | | | | | | | | | |
| P3 |  | P4 |  | | M2 | |  | D2 | |  |
| **LO3:** Understand what is E-Commerce and Online Payment Gateways. | | | | | | | | | | |
| P5 |  | M3 | |  | | D3 | |  |
| **LO4:** Understand and getting familiar with HTML and Develop Webpages in HTML. | | | | | | | | | | |
| P6 |  | M4 | |  | | D4 | |  |

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| **Lecturer signature** |  | **Date** |  |
| **Student Signature** |  | **Date** |  |

## General Guidelines

1. A Cover page or title page – You should always attach a title page to your assignment. Use previous page as your cover sheet and make sure all the details are accurately filled.
2. Upload this brief along with other documents to the submission link.
3. All the assignments should be prepared using Microsoft word.

## Word Processing Rules

1. Word File needs to save as a .docx file.
2. The font size should be **12** points and should be in the style of **Time New Roman**.
3. Ensure that all the headings are consistent in terms of the font size and font style (First level 16/bold, Second level 14/bold and Third level 12/bold).
4. Use word processing application spell check and grammar check function to help editing your assignment.

## Webpage Rules

1. Web File needs to be saved as .html file.

## Important Points:

1. **Create a Folder under the Student ID of yours and include all files (Web files) relevant to the assignment in it. Then compress it (ZIP or RAR) and submit it to the ELMS as appropriate.**
2. Avoid using page borders in your assignment body.
3. Carefully check the hand in date and the instructions given in the assignment. Late submissions will be accepted only if you get prior permission from the coordinator by submitting valid documents to an acceptable reason.
4. Ensure that you give yourself enough time to complete the assignment by the due date.
5. If you are unable to hand in your assignment on time and have valid reasons such as illness, you may apply (in writing) for an extension.
6. Failure to achieve at least PASS criteria will result in a REFERRAL grade.
7. Non-submission of work without valid reasons will lead to an automatic RE FERRAL. You will then be asked to complete an alternative assignment.

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| **Unit Learning Outcomes:** |
| **LO1:** Exploring the use of Internet and Email for work and everyday life.  **LO2:** Understand what are the uses of Internet and what is Internet Security.  **LO3:** Understand what is E-Commerce and Online Payment Gateways.  **LO4:** Understand and getting familiar with HTML and Develop Webpages in HTML. |

**Activity 01**

**Task 01**

* Examine the idea, development, and effects of the Internet, emphasizing its advantages and integral role in everyday life. In the response that you provided:
* Give a thorough explanation of the definition of the Internet.
* Examine and explain the advantages of the Internet, taking into consideration how it affects people, businesses, and society. Give concise justifications for the answers you provide.
* Give a brief historical review of the major stages in the development of the Internet.
* Describe how the Internet has developed into essential in everyday life while exploring how it affects sharing information, communication, and the world economy.
* Analyze the future role of the Internet and usage considering emerging technologies and trends.

**Task 02**

**Part 01**

* Determining and evaluating how the internet negatively affects students' lives. Investigate in-depth the different ways that youngster's use of the internet might negatively impact them. Think about things like general well-being, social interactions, mental health, and academic performance. To support your analysis, include information and examples that demonstrate your points. Talk about any countermeasures or suggestions to mitigate these adverse consequences and promote a safer online environment for students.

**Part 02**

* While the terms "Internet" and "World Wide Web (WWW)" are frequently used synonymously in the context of digital communication, they refer to different ideas. You must conduct comprehensive research in order on the differences between the Internet and the World Wide Web for this assignment. Make use of academic resources to give readers an in-depth overview of both ideas and to demonstrate how they differ through comparison. Examine the evolution in history, primary technology, and features related to the World Wide Web (WWW)and the Internet to clarify the differences between them.

**Activity 02**

**Task 01**

* Give a thorough explanation of websites and clarify how search engines function on the World Wide Web (WWW). Examine a variety of internet-based services, classifying and describing the numerous kinds that are offered. Provide a thorough analysis of each service's operation and contribution to improving users' online experiences in general. Explain how internet services have changed over time, emphasizing any new developments in technology or trends that have affected how we access and use the internet.

**Task 02**

* Give a comprehensive overview of the various types of viruses attacks that impact computers and the internet. Provide thorough explanations of at least three different virus attack types, including their characteristics, methods of transmission, and their influence on systems.
* Examine the many internet security protocols that are frequently used to protect networks from cyberattacks. Evaluate every security mechanism in detail, considering aspects like ease of use, scalability, and effectiveness. Determine and talk about the benefits and drawbacks of each protocol. Make suggestions for choosing a suitable internet security protocol for a certain network environment based on your evaluation.

**Activity 03**

**Task 01**

* Explain the meaning of and differences between B2C, B2B, C2C, and C2B e-commerce. Give examples from the business world for all types of e-commerce, emphasizing its special characteristics and benefits.

**Task 02**

* Describe the idea of online gateways in E-commerce, the important procedures and factors that need to be taken into consideration throughout the registration process, and the importance of selecting an appropriate online gateway for a specific country or region.

**Task 03**

* Make a thorough analysis of the advantages of e-commerce, taking into consideration things like convenience, cost-effectiveness, and a wider market reach. Examine the disadvantages of online shopping, taking into consideration things like security concerns, dependence on technology, and potential legal issues.
* Discuss how the advantages and disadvantages of various e-commerce models may differ.
* **Note: It is recommended that students support their responses with real-world examples and the latest developments in the e-commerce industry. They should also take into consideration how e-commerce is growing and how it affects global economic practices.**

**Activity 04**

**Task 01**

* Give a thorough explanation of the definition of HTML (Hypertext Markup Language) and its historical development. Examine the important milestones and developments that have transformed HTML into the popular programming language for building websites.
* After considering the historical background, make a list of the benefits of using HTML in web development. Examine how HTML provides compatibility with different browsers and connectivity and discuss how it makes it easier to create structured and interactive content.

**Task 02**

* **Scenario: Assume you have been assigned to develop an online website for a retailer of clothing. Sections for new arrivals, promotions, and other apparel categories should all be present on the website.**
* **Create a simple website using HTML tags,** that is divided into sections for each category of clothes (e.g., Men's, Women's, Kids).
* Add as much information as possible about the products to the pages, such as pictures, descriptions, prices, and availability.
* Include navigational features that make it easy for customers to switch between categories, view new arrivals, and access ongoing promotions. (At least two should be included)

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| **ASSIGNMENT - PERFORMANCE CRITERIA AND FEEDBACK** | |
| **Learning Outcome 01:** | |
| **LO1: Exploring the use of Internet and Email for work and everyday life.** | |
| **Performance criteria:** | **Feedback:** |
| **P1:** Identify the concept of Internet and benefits of Internet. |  |
| **P2:** Brief overview of the key stages in the evolution of the Internet |  |
| **M1:** Identify and analyze how internet can be negatively impacted for students lives. |  |
| **D1:** Identify the and differentiate WWW and Internet. |  |
| **Learning Outcome 02:** | |
| **LO2: Understand what are the uses of Internet and what is Internet Security.** | |
| **Performance criteria:** | **Feedback:** |
| **P3:** Identify how the information can be accessed from the internet. |  |
| **P4:** Describe various types of virus attacks/ Internet attacks |  |
| **M2:** Analyze different Internet Services. |  |
| **D2:** Evaluate different types of internet security protocols |  |
| **Learning Outcome 03:** | |
| **LO3: Understand what is E-Commerce and Online Payment Gateways.** | |
| **Performance criteria:** | **Feedback:** |
| **P5:** Identify different types of E-commerce |  |
| **M3:** Identify what is online gateway and demonstrate the gateway registration |  |
| **D3:** Evaluate benefits and drawbacks of E commerce |  |
| **Learning Outcome 04:** | |
| **LO4: Understand and getting familiar with HTML and Develop Webpages in HTML.** | |
| **Performance criteria:** | **Feedback:** |
| **P6:** Understanding what is HTML and advantages of using HTML |  |
| **M4:** Identify the basic HTML tags which be used for the font and page formatting |  |
| **D4:** Develop and implement a web information system to provide information |  |