**Terna Engineering College**

**Computer Engineering Department**

Program: Sem VIII

**Course: Human Machine Interaction(HMI)**

**Faculty:** Mrs. Reshma Koli

**LAB Manual**

**PART A**

(PART A : TO BE REFFERED BY STUDENTS)

**Experiment No.01**

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| --- | --- |
| **A.1** | **Objective** |
|  | a) Analyze and rate existing at least 3 websites and users for any specific Domain of your choice. |
|  | b) Visualize the ratings using graphs. |
| **A.2** | **Prerequisite:**   1. Knowledge about various domain. 2. Knowledge of user interface and various parameters of user interface |
|  |  |
| **A.3** | **Outcome:** |
|  | **After successful completion of this experiment students will be able to**   1. analyze existing complex interface designs and suggest modifications 2. to present the ratings in the graphical form. |
|  |  |
| **A.4** | **Theory:** |
|  | * A website is a set of related web pages containing content (media), including text, video, music, audio, images, etc. A website is hosted on at least one web server, accessible via a network such as the Internet or a private local area network through an Internet address known as a Uniform Resource Locator. * Sometimes study of other user interfaces of same domain help to identify the problems as well as advantages of it. This helps to build user interface per user requirement. |
| **A.5** | **Procedure:** |
|  | 1. Select any domain such as bank sites, hospital sites, social networking sites, online video viewing sites, search engines-shopping sites etc. 2. Analyze any Three different web sites of the selected domain based on; General principles of HMI.   **(Hint please refer The book by Galitz The essential guide for user interface deisgn.)**   1. Prepare Below comparison tables:   **Table 1**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sr.No** | **Parameters** | **Website 1** | **Website 2** | **Website 3** | | 1 | Accessibility |  |  |  | | 2 | Aesthetically Pleasing |  |  |  | | 3 | Availability |  |  |  | | 4 | Clarity |  |  |  | | 5 | Compatibility |  |  |  | | 6 | Configurability |  |  |  | | 7 | Consistency |  |  |  | | 8 | Control |  |  |  | | 9 | Directness |  |  |  | | 10 | Efficiency |  |  |  | | 11 | Familiarity |  |  |  | | 12 | Flexibility |  |  |  | | 13 | Forgiveness |  |  |  | | 14 | Immersion |  |  |  | | 15 | Obviousness |  |  |  | | 16 | Operability |  |  |  | | 17 | Perceptibility |  |  |  | | 18 | Positive First Impression |  |  |  | | 19 | Predictability |  |  |  | | 20 | Recovery |  |  |  | | 21 | Responsiveness |  |  |  | | 22 | Safety |  |  |  | | 23 | Simplicity |  |  |  | | 24 | Transparency |  |  |  | | 25 | Trade-Offs |  |  |  | | 26 | Visibility |  |  |  |   **Table 2**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sr.No** | **Parameters** | **Website 1**  **Rate out of 10** | **Website 2**  **Rate out of 10** | **Website 3**  **Rate out of 10** | | 1 | Accessibility |  |  |  | | 2 | Aesthetically Pleasing |  |  |  | | 3 | Availability |  |  |  | | 4 | Clarity |  |  |  | | 5 | Compatibility |  |  |  | | 6 | Configurability |  |  |  | | 7 | Consistency |  |  |  | | 8 | Control |  |  |  | | 9 | Directness |  |  |  | | 10 | Efficiency |  |  |  | | 11 | Familiarity |  |  |  | | 12 | Flexibility |  |  |  | | 13 | Forgiveness |  |  |  | | 14 | Immersion |  |  |  | | 15 | Obviousness |  |  |  | | 16 | Operability |  |  |  | | 17 | Perceptibility |  |  |  | | 18 | Positive First Impression |  |  |  | | 19 | Predictability |  |  |  | | 20 | Recovery |  |  |  | | 21 | Responsiveness |  |  |  | | 22 | Safety |  |  |  | | 23 | Simplicity |  |  |  | | 24 | Transparency |  |  |  | | 25 | Trade-Offs |  |  |  | | 26 | Visibility |  |  |  | |
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**PART B**

(PART B: TO BE COMPLETED BY STUDENTS)

***(Students must submit the soft copy as per following segments within two hours of the practical. The soft copy must be uploaded on the ERP or emailed to the concerned lab in charge faculties at the end of the practical in case the there is no ERP access available)***

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| --- | --- |
| Roll No.: 61 | Name:Sangita Toppo |
| Class:BE A | Batch:A3 |
| Date of Experiment: | Date of Submission: |
| Grade: |  |

|  |  |
| --- | --- |
| **B.1** | **Domain selected by student:** |
|  | Online News Channels |
|  |  |
| **B.2.** | **Home Page Screen Snapshot:** |
|  |  |
|  |  |
| **B.3** | **Analysis of website:** |
|  |  |
| **B.4** | **Conclusion:**  From this experiment we conclude that the Indian Express is best. |

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