



# VIT<sup>®</sup>

Vellore Institute of Technology  
Deemed to be University under section 3 of UGC Act, 1956

## SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING Continuous Assessment Test - II, WINTER Semester 2020

Course Code : ITE1014  
Course Name : Human Computer Interaction  
Slot : G2+TG2

Duration : 90 Minutes  
Max. Marks : 50

Answer ALL the Questions

(5x10=50)

1. Identify the efficient method for calculating the text editing task of searching a Microsoft Word document for all occurrences of a four-letter word, and replacing it with another four-letter word, in the following text, "**Mary had a little lamb**". (8)

Operator Details are :

- K-Press a key or button----0.28s
- P-Point with mouse---1.10s
- B-Mouse button---0.20s
- H-Home hands to keyboard or peripheral device---0.4s
- D-Draw line segments---0.9 x # of segments + 0.16 total length in cm
- M-Mental preparation---1.35s
- R-System response---Depends on the system

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2. Create the GOMS description for the above scenario (Q.No.1). (7)
3. a. Give a brief explanation of the Eight Golden Rules of Interface Design. State an example you have seen on a device, computer interface or web site that violates those rules. (5)
- b. Analyse how heuristic evaluation is conducted on Google Maps in Google Earth and give the consolidated report including results of evaluations. Intensity of the problem may also be indicated in terms of severity( Hint: High, Medium and Low). (10)



# Google maps

[Search Maps](#) [What's Around Here?](#) [Show Google Earth](#)

[Get Directions](#) [My Maps](#)

[Collaborate](#) [Import](#)

[Done](#) [Save](#)






Title

Placemarks Statues Roman Forum.kml

Description

Privacy and sharing settings [Add more](#)

- ☒ Public - Shared with everyone. This map will be published in search results and user profiles.
- ☐ Unlisted - Shared only with selected people who have this map's URL.

-  [SRF 1](#)
-  [SRF 2](#)
-  [SRF 3](#)
-  [SRF 4](#)
-  [SRF 5](#)



4. Apply "Usability Engineering is a process" in a Bad Design and justify with proper reasons. (10)

5. Illustrate the dialogue between the user and the system using a state diagram for a sandwich ordering process. Note any additional issues this raises about the system that need to be resolved in the design (10)