ASSIGNMENT 1.1

Answer the following questions:

A) How is Knowledge Engineering defined?

Solutions:- Transforming information into Knowledge.

B) What are Data, Information, Knowledge, and Wisdom? Provide a concrete example.

Solutions:- Data – tokens /characters

Ex:- 28 ..it is just a number

Information – data+ meaning .

Ex:- 28 could indicate someone’s age. Understanding the context in which the number is used. Baala is 28 years old.

Knowledge :-Information has been processed, organised and structured.

Ex:- If the Information “Baala is 28 years old “, is processed inserted into a database containing info of all the students at the university in the form of a table with fields name and age.

Wisdom :- How these information can be harnessed for future?

Ex:- Analysing the demographics of student joining the university for making policy decisions.

C) What are the current issues in Knowledge Engineering?

Solutions:-

* Entity recognition
* Data clustering with sense of the context
* Removing unnecessary or erroneous data
* Vast corpus of data available – proper linking , indexing and interpretation required.
* User specific recommendation
* Language independent browsing
* Better Natural language Processing

D) What is/are (the) Digital Humanities?

Solution:- Digital humanities is work at the intersection of digital technology and humanities disciplines.

E) What do we need Digital Humanities approaches for?

Solution :- These approaches can help us interpret data available in various forms across various disciplines of Humanities. Use of IT can help us build integrated research capabilities cutting across barriers of geographies as well as Languages.

A literature in Britain can talk about of Indian Freedom struggle and Digital interpretation of these Literature across continents can help us in our research.

F) What are the differences between close and distant reading?

Solution :- Close reading is the thorough interpretation of a text passage by the determination of central themes and the analysis of their development. Subjective reading of Texts( literary style, context)

Distant reading aims to generate an abstract view by shifting from observing textual content to visualizing global features of a single or of multiple texts

Referred from :- On Close and Distant Reading in Digital Humanities: A Survey and Future Challenges S. Jänicke , G. Franzini2 , M. F. Cheema and G. Scheuermann