

BCT 2403 Knowledge Based Systems (KBS)

ASSIGNMENT I

- 1). Outline the modern history of Artificial Intelligence.
- 2). Knowledge Based Systems (KBSs) are developed to deal with particular application domains in which alternatives techniques are unable to produce reliable and manageable solutions.
 - i). Identify and discuss five aspects of human intelligence that could be used to characterise intelligent knowledge based systems.
 - ii). Consider the requirements of different tasks, and specify features that warrant the application of knowledge-based technologies in only some tasks. Illustrate the discussion with one example of a task that demonstrates the need of a KBS, and one task for which KBSs are unnecessary.
- 3). In regard to Task Domain, Discuss the following Knowledge Based Systems
 - i). MYCIN
 - ii). PROSPECTOR
 - iii). NAVEX
 - iv). R1/XCON
 - v). MOLGEN
 - vi). SOPHIE
 - vii). PLANT
 - viii). COOKER ADVISER
 - ix). VENTILATOR MANAGEMENT ASSISTANT