الجمهـورية الجزائريــة الديمقراطيــة الشعبيــة

REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE

MINISTERE DE L'ENSEIGNEMENT SUPERIEUR ET DE LA RECHERCHE SCIENTIFIQUE

Université 8 Mai 1945 Guelma

Faculté de mathématiques et de l'informatique et de sciences de la matière

وزارة التـعليم العالي والبحث العلمي

جـــامعـة 8 مـــاي 1945 قالمـــة

كلية الرياضيات ، الاعلام الآلي و علوم المادة

Knowledge Engineering Course
Activity 1: Brainstorming & Cognitive Map Elaboration

1. Generating a Collective Understanding:

Students within each group are encouraged to actively engage in a collaborative brainstorming session, leveraging their diverse knowledge gained over their academic journey in computer science. Through this process, students openly share their learned concepts, experiences, and insights. A designated student is tasked with documenting these shared concepts, creating a semantic network on the whiteboard. The role of the teacher in this context is primarily to supervise, encouraging participation, and enhancing the depth of discussions. The outcome of this exercise is the creation of a comprehensive cognitive map of computer science, amalgamating varied perspectives. A dedicated session will be facilitated to compare the divergences between the individual group maps, fostering the creation of a unified, all-encompassing cognitive map.

2. Refinement process:

The subsequent phase involves an iterative refinement of the cognitive map. This phase centers specifically on concepts and theories pertinent to the field of artificial intelligence (AI). Students engage in a similar process of collaborative brainstorming to identify and organize key concepts specific to AI. Through a structured discussion, a more focused and detailed cognitive map for artificial intelligence is formulated. This refined map, coupled with the previously established comprehensive computer science map, will pave the way for a session dedicated to merging and synthesizing these insights. This unified cognitive map will embody a comprehensive understanding, amalgamating the broader spectrum of computer science with the nuanced specifics of artificial intelligence.