Group Project Delivery Report/Presentation

Write the title of the project, and your group member names on the first page of the report.

1 Introduction (2 points)

Describe the general background and problem which gave rise for the development of this Expert System.

2 Task and Purpose of the Expert System (2 points)

Describes the ES in realistic terms of what the purpose of the ES is, its functionality, and the environment in which it can be used.

3 Knowledge Sources & Knowledge Acquisition (2 points)

Describe here books, internet sources, personal communication, encounters with experts (observation, interviews etc.) - everything you used to acquire domain knowledge for your Expert System.

Cite and reference any written documents, webpages, experts etc. properly!!!

4 Knowledge Design & Engineering (4 points)

Describe the conceptual domain knowledge, i.e., describe the central concepts of the domain. Outline the architecture of the system and how the reasoning process works. You do not need to go too much into programming details here but use a more abstract, conceptual model.
[For the development of your ES: When using written material, go through the text to find central concepts used in the domain; when talking to an expert try to find out the terminology s/he is using. Try to distinguish irrelevant from relevant concepts and provide descriptions of domain concepts with an outlook towards the problem to be solved and the reasoning processes to be designed.
When you are clear about the concepts and terminology used in the domain and central to the problem, start to model the required expertise. This is closely related to the purpose of the ES: if you design a control system, model the control conditions and rules; if you design a diagnostic system, be clear about the possible diagnoses, available factual knowledge and become clear about intermediate concepts and rules providing connections from facts to intermediate hypotheses and final diagnoses. Organize the concepts into a suitable representation, like a causal model or control flow model etc. This organization of the domain knowledge is your conceptual model.]

5 User Interface (2 points)

Address the following questions: What is the interaction between the user and the ES? What information must be entered into the system at the beginning of or during a session? What will the user get as result of the system operation?

6 Implementation (4 Points)

Mention which programming languages and tools you have used for the development and which are necessary to run the system. Mention any "specialties" you used in implementing the system, like any API, shell etc.

7 Group Members' Tasks (4 points)

Each member of the group will describe his/her tasks and participation in the project.

Note: All these points will be assessed through your Expert System Demo and Presentation.