

## Assignment II ~ Group Work

- i). Identify a suitable task domain and then design and develop an Expert System. The following are possible expert systems:
  - An expert system to recommend routes given there are possible alternative routes. Each route should have its own advantages and disadvantages depending on circumstances. Consider alternative ways of going from Nairobi to Mombasa.
  - An expert system to describe various animals and give the user information about the animals. The user asks any question on the animal and the system responds.
  - An expert system to diagnose the fuse that may be responsible for failure of working of some devices that are connected to it. The devices themselves may be faulty.
  - An expert system that may engage a user in describing a person.
  - An expert system that handles uncertainties.
- ii). Briefly explain the type of knowledge representation technique and reasoning used by your system