

Artificial Intelligence

Assignment # 03

Spring 2012

Marks: 20

Due Date

Your assignment must be uploaded before or on **13th June, 2012.**

Uploading instructions:

- **Upload your assignment as a word file. It should have name [YourRollNo.doc]**

Rules for Marking:

It should be clear that your assignment will not get any credit if:

- The assignment is submitted after due date.
- The submitted assignment file is corrupted.
- The assignment is copied.

Note:

Your answer must follow the below given specifications. **You will be assigned zero marks if you do not follow these instructions.**

- Font style: "Times New Roman"
- Font color: "Black"
- Font size: "12"
- **Bold** for heading only.
- Font in *Italic* is not allowed at all.
- No formatting or bullets are allowed to use.

Assignment:

Mr. Yousaf Ali Khan and Mr. Khurram Zardari own an aero-plane engine manufacturing factory in North Carolina, they develop spare parts and complete aero-plane engines. Factory has 7 Human expert to test the final products, they use there years of experience to do so. Mr. Yousaf Ali Khan, Mr. Khurram Zardari and some the director of the company decided to use Fault Diagnosis System to identify the faults in aero-plane engines, Fault Diagnosis System must ensure the following properties:

Fault Diagnosis System contains the knowledge of many experts and provides permanent documentation of the decision process where human need time to do so, even training of new human experts will be easy through the use of this system. This system will help in a way that production will be faster with less chance of errors in the finished products and system can be available 24 hours a day 365 days a year. Now you have to identity the system either composed of computer expert system or human expert system, also provide solid reasons of your choice.