**EDM1142 LAB 1**

1. Software Engineering is part of system engineering process. Do you agree with the above statement? justify your answer.

**Answer:**

* Yes I agree to the statement software engineering is part of system engineering process.

**Reason**:

* System engineering process provides value to the development, management, and the implementation of a large program by ensuring:…

Thus software engineering is part of the development stage.

1. What is software crises

**Answer:**

* Software crises is a term used in the early days of computer science for the difficulty of writing useful and efficient computer programs in the required time.

1. What are the professional responsibilities of a software engineer?

**Answer:**

* Perform systems modelling, simulation plus evaluation to provide suitable software solution.
* Design and prepare assemblers, utility programs, compilers and operating systems to accomplish customer business needs.
* Perform with customer to present hands-on first level assistance.
* Responsible for researching, designing, implementing and supporting software solutions.
* Provide feedback plus reports to management pertinent to status as well as availability of hardware and software to assure functioning.
* Learn, interpret and comply with software change control methodology.

1. Component based software engineering allows faster delivery. State whether this statement is true or false. Justify your answer.

**Answer:**

This statement is true.

**Reason**:

* Since they use previously tested components, they produce more reliable system at a faster rate.