**1A**)Different applications require different kinds of specialized software engineering techniques because of various factors such as

**Cost**- all the applications cannot have same budget some companies can afford high budget to an application and other may not be ready to spend more and even the other possibility is that a company may spend more on an important application and less on other applications.so same kind of software engineering technique can not be used for two different applications

**Maintenance**- some applications has to be updated regularly and other applications need not be updated regularly for instance software applications has to be updated very often where as real time projects need not be updated regularly so same kind of software engineering technique cannot be used

**Lifetime**- lifetime of an application also plays an important role in selection of a software engineering technique few applications has a long life time so application has to be build in such a way that it should be able to work for long period of time so application has to be built with additional care whereas for applications which will be used for short period of time in this kind of applications expensive software need not be used so different kinds of software engineering techniques has to be used for different applications based on their life time

**Delivery** **time**- If the applications has to be delivered in the short period of time then advanced software engineering technique has to be used and the application has to be built in short period of time else if the they have ample amount of time to build an application they can use basic software engineering technique and build an application so even delivery time determines the software engineering technique to be used

**2A)**yes, in my opinion similar to doctor and a lawyer professional engineers also should be certified similar to doctors and lowers even professional engineers has to deal with the cases which are really important not only to the company but also to the nation for example if a software engineer has to build a project to government he should have depth knowledge about the requirements and the security measures to be taken so that the cyber attackers cannot hack or steal the data so to the check the capability of the engineer this certificate will play a vital role which can help the government or company to choose the better engineer to deal with the project

**3A**) Business software systems contain lots of complex software and various modules for various functions and these has to be updated very often and many software has to be incremented because the requirements of the company keeps on changing this model is very helpful for regular changes and for implementing new changes to the existing systems

But when we look into the real time systems they contain more hardware as they are expensive and cant be updated or changed regularly so in real time projects and even in real time projects its important to consider security issues considering all these problems its better to avoid incremental model in real time systems