**Software Engineering Department**

**SWE 333 - Software Quality Assurance**

**Tutorial 9**

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**Tutorial: Lecturer: Tazar**

**International Software quality models and standards**

Answer the following questions

**Q1) what is CMMi**

CMM is capability maturity model. It is a model and standard of process improvement that can be used to increase the quality of software development. The key concept of the standard is organizational maturity. A mature organization has clearly defined **procedures** for software development and project management. These procedures are adjusted and perfected as required.

**Q2) How standards like ISO 9000 and CMM are important for software quality**

Because software quality can be improved by applying methodologies and procedures of these standards which were previously applied in other organizations and proofed to be applicable for the development of a good quality software.

**Q3)what is the difference between iso9000 and ISO 9000-3.**

ISO 9000 is a generic quality management standard while ISO 9000-3 is dedicated for software development. Any organization that is intending to implement ISO standards should start first with ISO 9000 and then use ISO 9000-3

**Q4)How can CMMi, PSP, and TSP help to improve an organizations software quality?**

CMMi is used to improve quality of the overall organization while TSP is used to improve the quality of a single team working on a particular project and psp is useful to improve the quality work of a single software engineer