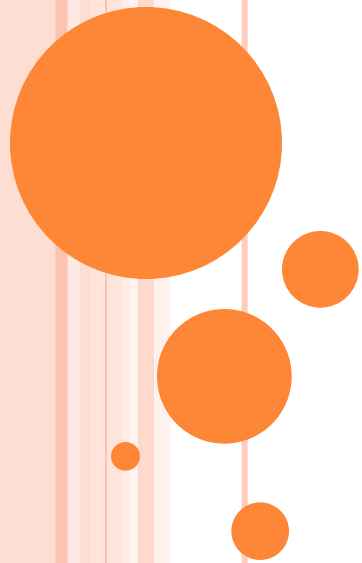


SOFTWARE ENGINEERING



LECTURE-44

ISO 9001

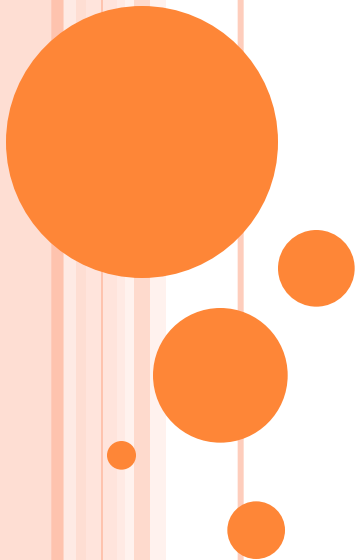


ISO 9001

Standard based on quality management principles.

ISO places great emphasis on documentation, control, traceability, measurement and accountability

It states “what must be done to achieve a quality environment”.



FEATURES OF ISO 9001

○ Say It.

- Document/define
- Processes

○ Do It.

- Implementation

○ Prove It.

- Objective evidence (records, audits & responses)

○ Maintain It & Improve It!

- Ongoing management commitment
- Adequate resources
- Continual improvement of the system



ACTIVITIES

- Test documentation to defined company standards
- Existence of test plan
- Control of all test environments
- Verification of design
- Evidence that problems are logged and tracked to resolution
- Maintenance of quality records
- Maintaining test cases under configuration control
- Documenting or otherwise defining traceability requirements



IEEE SOFTWARE ENGG. STANDARDS

- IEEE 730 for software quality assurance plans (reviews and audits..)
- IEEE 829 for s/w test documentation (test plan, cases, logs, summary reports....)
- IEEE 1008 for s/w unit testing (risk areas, resources identification, features selected ..)

