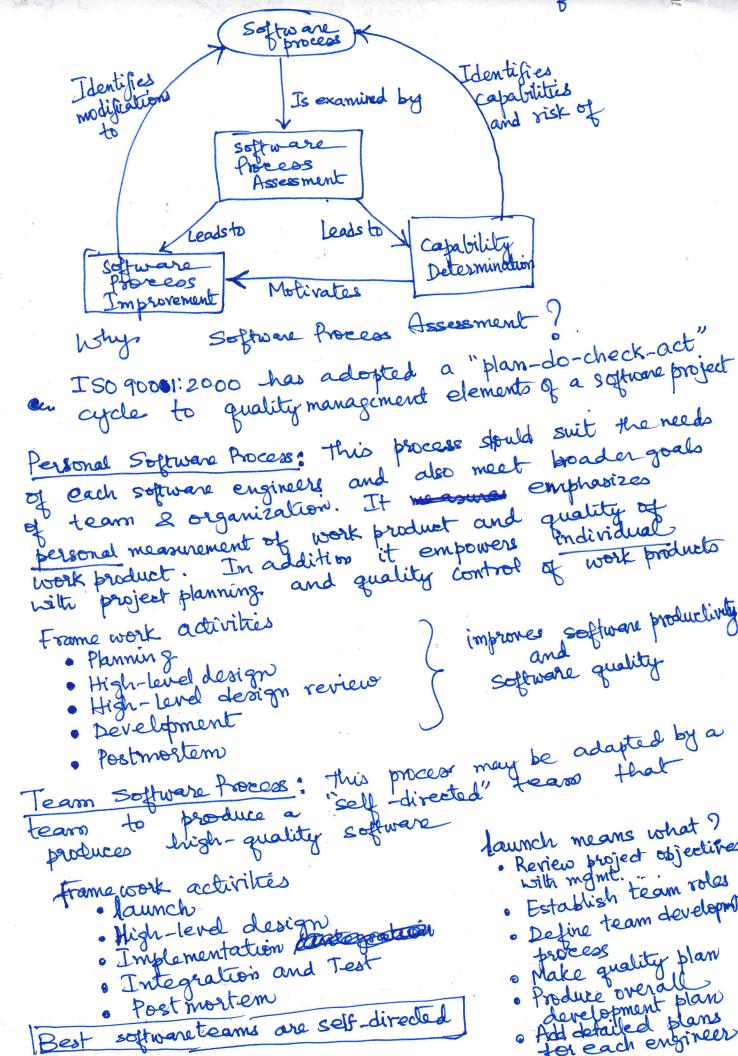
Frame work. Process capability and maturity should conform to the Capability Maturity Model Integration (CMMI) quidlings. quidlines. capability level of CMMI continous model measure the eprocess area. (Project Planning, Reg. mamt, Measurement & Analysis, Configuration Managed.)

Level 0: Incomplete

Level 1: Performed

Level 2: Managed. · Level 2: Marlaged · Lavel 3: Defined best/highest capability
of process areas · Level 5: Quantitatively Managed
· Level 5: Optimized CMMI staged model defines each process area in terms Specific Goals (SG), Generic Goals (G4). Specific & Parties Special Generic Practice (GP) refine goals into process related activities SP1.1-1. Estimate scope of project attributes
SP1.2-1 Estimate work product & task attributes cg: SQ1 Establish estimates GG1: Achieve Specific goals GP1.1 Perform base practices Process Assessment: The goal goal is to understand then improve it.

The current process condition and then improve it. a. Standard CMMI Assessment method for Process
Improve ment (SCAMPI) Approches for process assessment b. CMM-Based Appraisal for Internal Process Improvement (CBAIPI) (CBAIPI) C. SPICE (ISO/IEC15504) d. ISO 9001:2000 for Software



Process and Product. A weak process produces a (weak) product. A quality process may produce a quality product. It creates a quality work process that may oreate a good working environment for people involved un the process. Software process can be defined as collection of patterns
Process Pattern, that define activities actions work tasks

Process Pattern, work products related to develop software Proces pattern provides us with a template to describe a characteristic Atemplate provides us means to describe a proces a pattern in a consistent manner Pattern name: Intent: All process Type: patterns voe Initial context: Same Problem: template solution: Resulting context: Related Patterns: Pattern name: Prototypions

Pattern name: Prototypions

Intent: To build a profotype to understand and

Intent: Solidify soft. regs that are not clearly understood Type: Phase pattern Problem: Regs. are hazy or non existent Initial context: Stakeholders are unsure of requirements

Solution: Build a prototype and take customer/

stakeholder fieldback

Raulting of the customer of th Kerulting context: the requirements are identified and approved by stakeholders. Related Patterns: customer-communication, iterative