SPM (Software Project Management)

* Software Project management is an art and science of planning and leading software projects.
* Main goal is to enable a group of developers to work effectively towards successful completion of project.
* Project manager is an administrative leader of them.
* Various factors make this job very complex (e.g. Changeability, Complexity, Uniqueness, and Possibility of Multiple Solutions etc.)

**Job Responsibilities of the Project Manage**

* Planning
* Organizing
* Staffing Directing
* Monitoring
* Controlling
* Innovating
* Representing

**Skills Required for Project Manger**

* Managerial Skills
* Technical Skills
* Problem Solving Skills
* Copping Skills
* Conceptual Skills
* Leadership Skills
* Communication Skills

**Project Planning**

* Estimation (Cost, Duration, Effort)
* Staffing (Staff Organization, Staff Plans)
* Scheduling Manpower & Other resources
* Risk Management
* Miscellaneous Plans (Quality assurance plan, configuration & installation plans)

**Precedence Ordering**

Cost Estimation

Effort Estimation

Scheduling

Project Staffing

Duration Estimation

Size Estimation