THE FOUR (4) PHASES OF AN ENGINEERING PROJECT'S LIFE CYCLE

The Sequential Project Stages of:

- Initiate
- Plan
- Execute
- Close

1. Initiation

- Authorize Project, Project Manager
- Identify Key Stakeholders
- Define High-Level Project Objectives & Constraints
- Kick-Off Work

2. Planning

- Develop & Define Scope, Quality Requirements, Budget, Schedule
- Plan Procurements, Risk Management, & Project Integration/Comms
- Define Organizational Needs; Acquire Key Staff
- Identify Stakeholders' Power/Interest/Concerns

3. Execution

- Direct & Manage Project Work
- Monitor & Control Progress*
- Manage Risks That Threaten Project
- Manage Stakeholders' Engagement, Expectations

4. Closure

- Close Procurements
- Deliver Scope to Customer
- Release Project Staff
- Formally Close Project

Note: the Project Management Institute (PMI) considers Monitoring & Controlling (M&C) as a distinct effort, or phase that is performed in parallel with the project's Execution phase. In practice, the M&C effort is nearly indistinguishable from the Execution phase and we therefore treat it as integral to Execution.

Images

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