

# The Four P's

- **Four P's of Software Project Management**
- **The effective software project management focuses on four P's.**
  - **The People**
  - **The Product**
  - **The Process**
  - **The Project**

# The People

**The following categories of people are involved in the software process.**

- **Senior Managers**
- **Project Managers**
- **Practitioners**
- **Customers**
- **End Users**

- **Senior Managers define the business issue. Project Managers plan, motivate, Organize and control the practitioners who do the Software work. Practitioners deliver the technical skills that are necessary to engineer a product or application. Customer specifies the requirements for the software to be developed. End Users interact with the software once it is released.**

- **The Product**

- **Before a software project is planned, the product objectives and scope should be established, technical and management constraints should be identified. Without this information it is impossible to define a reasonable cost, amount of risk involved, the project schedule etc. A software project scope must be unambiguous and understandable at the management and technical levels. To develop a reasonable project plan we have to functionally decompose the problem to be solved.**

- **The Process**

- **Here the important thing is to select an appropriate process model to develop the software. There are different process models available. They are Water fall model, Iterative water fall model, Prototyping model, Evolutionary model, RAD(Rapid Application Development) model, Spiral model. In practice we may use any one of the above models or a combination of the above models.**

- **The Project**
- **In order to manage a successful software project, we must understand what can go wrong (so that problems can be Avoided) and how to do it right. A project is a series of steps where we need to make accurate decision so as to make a successful project.**