# **INCREMENTAL MODEL**



1. Advantage:
   * Used when requirements are well understood
   * Iterative in nature; focuses on an operational product with each increment
   * Provides a needed set of functionality sooner while delivering optional components later
   * Useful also when staffing is too short for a full-scale development
   * Generates working software quickly and early during the software life cycle.
   * More flexible – less costly to change scope and requirements.
   * Easier to test and debug during a smaller iteration.
   * Easier to manage risk because risky pieces are identified and handled during its iteration.
2. Disadvantages:
   * Each phase of an iteration is rigid and do not overlap each other.
   * Problems may arise pertaining to system architecture because not all requirements are gathered up front for the entire software life cycle.

# **Reason**

We will choose Incremental process because Incremental is divided up into smaller, more easily managed modules. Each module passes through the requirements, design, implementation and testing phases. A working version of software is produced during the first module, so you have working software early on during the software life cycle. Each subsequent release of the module adds function to the previous release. The process continues till the complete system is achieved. In other hand, we can demoed to the customer every week or month. We can manage risk occur in our project. We will save our time if we fail a phase. We just do again this phase.