Strategy

lish a specific objective through a set of interrelated, specialized tasks. racteristics of a project are:

ll-defined objective: An expected result or product is the objective of a iect. If the innovation is process oriented, then the expected result is ne type of increased efficiency. If it is product oriented, a new or proved product is the desired objective.

es of interdependent tasks: A project requires a number of repetitive sequential tasks.

ources: There must be resources available to carry out the tasks. hough not all of the resources need to be dedicated (allocated to only project), there does need to be a clear understanding of who and at will be available for a project at designated times within the

ecific time frame: A project has a finite life span—a start time and a ignated time for accomplishing the objective. In his famous 1961 ech, President John F. Kennedy stated that the United States would ve a man walk on the moon by the end of the decade. In July 1969, the ited States met that goal. Thus, the timeframe was designated by nnedy and that shaped many of the resulting decisions. stomer orientation: The customer of a project may be internal or ernal to the organization. For example, an engineering department

y do a design project for operations (internal focus). However, in a nsumer products company, many projects are devoted to improving creating products for the marketplace (external focus). gree of uncertainty: At the beginning of the project the firm uses the st knowledge and information available. As a base starting point cer-

n assumptions and estimates are made for the project budget, schedule, ope, and availability of resources. Because these are assumptions and imates, there is a degree of uncertainty.

e reasons an organization would want to use a project-based approach ovate should be relatively clear from the definition of the characteristics roject. The biggest advantage to using an innovation project approach it can help bring order out of chaos by creating a "road map" for e. A project-based approach shows who, what, when, where, and how should happen.

T MANAGEMENT

A2.1 presents a seven-step framework for innovation project manage The firm may have in place systems, policies, and procedures to eninnovation, but each new product or process implementation e. In an innovation project, the commitment of resources will increase ime. As a result, it is original. ime. As a result, it is critical to develop early planning and understand the project. If there are problems in the project, the early identification se problems will help live to the project, the early identification to the project, the early identification to the project, the early identified to the project to the pr ese problems will help limit the expenditure of resources on unfruitful

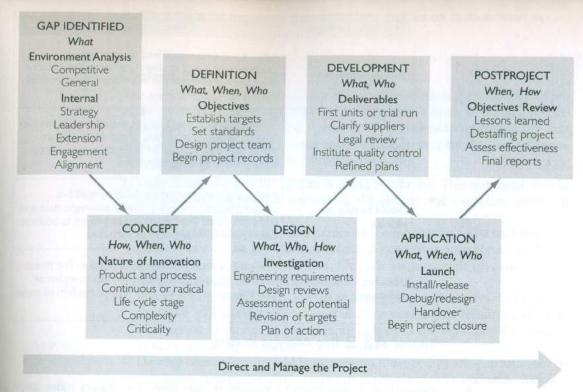


FIGURE A2.1 Innovation Project Framework

Once the firm makes a decision to undertake an innovation, the resources required to fulfill that decision escalate and the risks for the firm increase. Therefore, the identification of where the organization is, plus the conceptualization and definition of what is to be done are critical to setting the direction for the innovation project. For example, Sun Microsystems initially determines what its strategies and goals are, and then a committee meets weekly to prioritize the projects in its portfolio of projects. The committee uses about 20 variables to rank projects in its rating matrix. This is how Sun begins and moves through the steps in innovation project management. We discuss each of the seven phases of this framework in more detail next. This framework is a good format for any project management effort.

Gap Identification Phase

As stated in Chapter 5, gap analysis is an important evaluation tool for those undertaking an innovation strategy. The gap identification process compares where the organization is to where it wants to be, as well as where the firm's competitors are. The gap can be process oriented or product oriented; however, once a gap is identified, the firm needs to address it or face the risk of being at a competitive disadvantage.

The environmental and internal systems analysis should help the organization identify a number of potential gaps. However, in managing innovation