

## **Categories of Industrial Project**

Your project should be one of the following categories.

- System/Apps/Webs Development
- System/Webs Enhancement
- Product/Software/Hardware Assessment
- System Study
- Network Development
- Product /Software Deployment
- Maintenance System and Documentation

### **System Development**

System development involves the process of defining, designing, testing and implementing a new software application or program. It could include the internal development of customized systems, the creation of database systems, or the acquisition of third party developed software.

### **System Enhancement**

System enhancement involves any product change or upgrade that increases software or hardware capabilities beyond original client specifications. Enhancements allow software and hardware product performance scalability. In general, product enhancements include: additional functionality, error/bug repair, increased processing speed, or better cross-platform compatibility.

### **Product/Software/Hardware Assessment**

Defined as the assessment of Product/Software/hardware characteristics according to specified procedures (definition is based upon ISO14598, 1996). During a product/software/hardware assessment, the fit between the product/software/hardware and the users' needs of that product/software/hardware are determined. This fit concerns both explicit and implicit needs about the product/software/hardware. This is often referred to as 'product/software/hardware quality'. By on the one hand examining the needed level of product quality, and on the other hand examining whether a product meets that level of quality, fitness for use is evaluated. This can be done during several phases of development and use, which results in increased control during the transformation from investment decision to actual implementation. Product/software/hardware assessment becomes more popular both in industry and academics.

## **System Study**

A detailed study to determine whether, to what extent, and how automatic data-processing equipment should be used; it usually includes an analysis of the existing system and the design of the new system, including the development of system specifications which provide a basis for the selection of equipment.

## **Network Development**

Network development focuses on the building, scaling and automation of networks to process data more efficiently. Core activities include enabling reliable/secure communications over unreliable/insecure channels, identifications of paths and objects through a network, managing network sharing resources among competing entities, and development of network applications.

## **Product/Software Deployment**

Software deployment is the process of getting the product ready for market. Software deployment brings many key advantages to enterprises. Tasks like installing, uninstalling and updating software applications on each computer are time consuming. Software deployment services reduce the time and make the process error free. The software can be easily controlled and managed through deployment.

## **Maintenance Systems and Documentation**

Addresses the main systems necessary for the successful operation of a maintenance organization, such as performance control, work control and documentation. It shows how they can be modelled, their function and operating principles, and the main problems encountered in operation. It is the third of three stand-alone companion books with the aim of providing better understanding of maintenance operations, in order to identify problems and prescribe effective solutions.