

CHIKA YOSHIDA

Bunkyo University, Japan

APPLICABILITY OF TELEWORKING IN SOFTWARE DISTRIBUTED DEVELOPMENT

Abstract:

The purpose of this research is to confirm the possibility of personnel participation in a software development project remotely. Modern system development projects require secure specialist personnel with a wide range of technical capabilities to satisfy the diversified customer needs and the remarkable technological advancement. Nevertheless, many Japanese companies are oriented toward centralized development. There are limited people in the organization with the latest technology, and their work orientation is not uniform, making it difficult to realize intensive development. These trends are not limited to the IT industry. At the same time, the Japanese government recommends that companies adopt teleworking in order to provide flexibility to their employees and improve their quality of life. In research, teleworking has become a trend in current software development environments, confirming the possibility of distributed software development in the IT industry. Here, we propose a teleworking system configuration for such distributed development.

Keywords:

Revising Workflow, Software Development Management, Personnel Management, Remote Participation, Telework, Distributed development

JEL Classification: L86, D39