

# An empirical study for integrating XP with VTSP to improve business

*Ramadan Moawad ,El Shaymaa Mohamad Nassar*

## Abstract

Actual problems that threaten organizations are the excessive unnecessary organizational processes. The Business Process Reengineering (BPR) methodology is developed to improve the return of investment rates within organization. BPR guides to rearranging processes and removing unnecessary ones and consolidating the remaining processes into linear open system. Unfortunately, usage of modern Information Technology doesn't solve such problems in the Middle East countries and especially Egypt and doesn't realize the expected results. The limitations and drawbacks of IT projects refer mainly to the dependency on plan-driven team software process methodology that could not achieve frequently requirement changes of customers and usually exceeds estimated budget of the project. This research adopted the eXtreme Programming methodology using virtual team software process work providers in order to avoid these drawbacks and applied the proposed hybrid methodology to three main departments within Suez Canal Authority in Egypt

*Future Computing and Informatics Journal 2017, March*