Market economy simulation is used to understand economic phenomena and to analyze social systems. Simulation is also used as a method for conducting virtual experiments or to test hypotheses in the real market. System Dynamics simulation was used here in order to understand the relationships between different design factors that emerged in the behavior of the education quality model. Education quality control is considered a difficult task, as few policy-makers have adequate tools to aid their understanding of how various policy formulations affect this complex, socio-technical system. Thus, the model of each factor was kept simple and complexity arose from the interaction between those factors. The research also compared between normal quality management for budget distribution and optimized budget distribution and their effect on quality.
- Learning and Computer-Based Modeling, Northwestern University. Evanston, IL.

Index Terms

Computer Science

Algorithms
Keywords
Education quality  Total Quality Management  Supply Chain Management  System Dynamics
Genetic Algorithms