

Design of a Management System for Integration of Idea Information

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The main objective of this study is to elucidate the process of supporting, originating and processing idea, and to construct an integrating system of idea information for managing them effectively.

For this purpose, conceptual model of this study was designed by systems design method on the basis of 'in-depth interview' and 'literature survey'.

The management system for 'integrating idea information (I³)', as designed above is consisted of following three subsystems;

(1) 'Idea generation supporting system': this is a static system for supporting the activation of idea origination inducing system, and has three subsystem of which functions are 'personnel creativity development', 'creativity source creation', 'creative climate promotion'.

(2) 'Idea originating inducing system': this is a dynamic system for making clear an 'idea-originating mechanism', and has two subsystems, which are 'information foundation system', and 'originating thinking system'.

(3) 'Idea information Processing system': this is a dynamic system for processing the originated ideas, and has three subsystems of which functions are accumulation, evaluation, utilization.

The main results in this study are as follows;

(1) The effective management systems

which accelerate idea generation activity was suggested through the detail design of subsystems on the development of personnel creativity, the creation of creativity source and promotion of creative climate considering the organizational and individual factors in their subsystems.

(2) The idea-originating mechanism was clarified by regarding as transforming process of image information into literal information in creative thinking process.

(3) The idea information processing system was built up by subdividing the whole process, from collection to utilization, into attainment, classification, discard, attribute evaluation, utilization evaluation, performance evaluation, search, report, and distribution of ideas.

The main significances of this study are as follows;

(1) Original and theoretical model in this field was constructed by structurizing and systemizing the whole management activity for effective idea generation.

(2) Integrative and field-adaptive model was developed by taking into account the practical problems and deficiencies in our company's idea generation activity.