

MAXIMIZE THE PRODUCTION OF CEMENT INDUSTRIES BY THE MAXIMUM SATISFACTION OF EMPLOYEES USING FUZZY MATRIX

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In this paper we try to maximize the production of cement industries with maximum satisfaction to employees using fuzzy matrix. Using experts opinion we convert this problem into a relational map. This relational map relates both ways the attributes of the employee and the employer, which is described by the directed graph. Now this directed graph is given a relational matrix representation. As the next stage of the problem we define an average matrix for this relational matrix. This average matrix is converted into a fuzzy matrix by the method of membership functions. Finally using various α -cut values we give the graphical representations to the fuzzy matrices. We get the combined effects of the α cuts and derive our conclusions.

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