ESTIMATION OF OVERALL PROFIT TO THE INDUSTRIES AND THE MAXIMUM SATISFACTION TO THE EMPLOYER USING SPECIAL FUZZY MATRIX

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In this paper we estimate the overall profit of the industries with maximum satisfaction to the employer using a new type of special fuzzy matrix.

Using an expert’s opinion we convert this problem into a fuzzy map, Fuzzy map related 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.

This average matrix is converted into a fuzzy matrix by the methods of threshold values. We convert this matrix into a special fuzzy matrix to cater to the negative influences between the employee and employer nodes. Finally using various $\alpha$-cut values we give the graphical representation to the special fuzzy matrices. We get the combined effects of the $\alpha$-cuts and derive our conclusions.