WORK RELATED ACCIDENTS AND COMPENSATION ASSESSMENT TO WORKERS IN INDUSTRIES

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Industries face several problems like production in proportion to demand, satisfaction of workers; availability of raw materials in proportion to production needed to run this industry, relief to workers like bonus / medical allowance, compensation to workers who are affected by accidents at work place etc. Each problem has its own dimension and importance to arrive at solution. In this paper we are trying to find a solution to the compensation assessment to workers involved in accidents at the workplace.

The problem has several uncertain factors involving the feelings of both the workers and the employer. So in many industries, when the compensation paid to them is not upto the expectation of the worker either the employees union takes up the problem of finding a peaceful settlement or the worker goes for legal option. When peaceful settlement does not yield a solution, the industry faces a strike or a temporary setback due to workers non-cooperation. Thus in any case the problem of paying compensation to the affected by the industry happens to be a very sensitive one. Hence to find a both way solution to the problem,
we use fuzzy theory in general and Bi-directional Associative Memories (BAM) in particular. We have tested our model that is, adoption of BAM to a sample obtained from a fire-works industry and most of our suggestions would apply to any industry and strike a balance between the employee and the employer.