

Workplace Risk Assessment Method and System Patent Application

TECHNICAL FIELD

The present disclosure relates generally to workplace safety and hazard assessment and risk awareness, and in particular, to method and system for assessing and mitigating workplace risks and hazards.

BACKGROUND

Hazards in the workplace occur when the working environment can cause injury, illness or death. The hazards can result from various aspects of the working environment, including chemical hazards, physical hazards, biological hazards and ergonomic hazards. There are a variety of approaches that have been used for identifying workplace hazards and assessing risk in the workplace.

SUMMARY

According to one aspect of this disclosure, there is disclosed a computer network system for assessing workplace risks and hazards, the computer network system comprising: one or more server computers coupled to one or more client computing devices via a network; the one or more server computers configured for: receiving user input data of risk and hazard evaluation, the user input data of risk and hazard evaluation comprising user evaluations of a plurality of predefined hazards; receiving user input data of personal wellness evaluations; calculating a total hazard score by combining the user evaluations of the plurality of predefined hazards; calculating a total wellness score based on the user input data of personal wellness evaluation; determining a compounding factor by comparing the total wellness score with one or more compounding thresholds; calculating a total combined score as a multiplication of the total hazard score and the compounding factor; determining a risk level by comparing the total combined score with one or more risk thresholds; and providing one or more recommendations for mitigation of the workplace risks and hazards.