Key words: miss and near miss, record soft ware, prevent and control roots of causes.

introduction: With regard to, the miss and near miss, despite of all efforts to prevent them, in any way, will happen in organizations, we should planning an appropriate program for prevent and control them, with exact study on roots of causes of miss and near miss.

Method: This paper introduce the designed soft ware and installable on all programmable electronic portable devices (such as lab top, tablet, i-pad, mobile and etc.), for immediate record of miss and near miss reports, with determining the root-causes of them during record a report, with capability of filming and taking photo from the place that event was accrued in it, and recording voice of witnesses of event. And finally sending final report in a short time, to safety experts, Middle or senior managers for deciding about preventive and improved actions. This soft ware is written by an under network programming language. For finding the roots of miss and near miss causes, we used from tripod-β logic. This soft ware has capability of quick electronic sending of incident reports with identified roots of causes.

Result: This soft ware is tested for several near miss and an assumed miss in some companies in Iran. And identified and modified their failures and now it's available and useable. In This soft ware we can update and edit the information's and was defined the level of access, for it.

Discussion: One of the other capabilities of this soft ware is implementing statistic operations on recorded information in their database and calculating some safety indexes such as AFR, ASR, Safe-T-score and etc. one of the future improve program is predicting the cost of accident.

Designing the miss and near miss report soft ware with aim of finding the roots of causes; a preventive and controller approach

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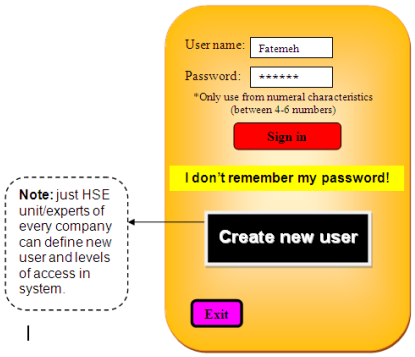


Figure7. second screen of IPMD software's

The Environment of IPMD program:

After the program was ran by user , has being saw the environment that has been indicated in figure6. Then for start you must click on "start" .

Figure A. first screens of "IPMD"

Figure9. (A): Record new accident)

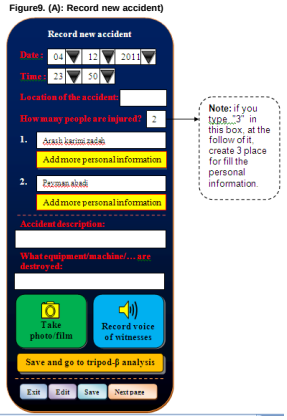
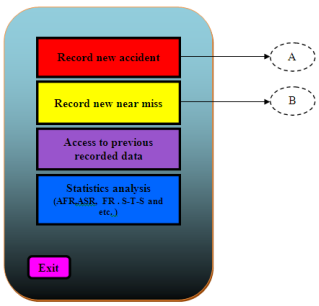


Figure8. thirths screen of IPMD software's



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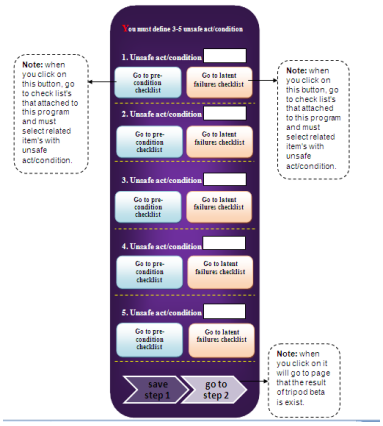

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