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(54) Title of the invention : SELF-DIAGNOSIS PERSONALIZED WOMEN SAFETY APPLICATION MODEL USING MACHINE LEARNING APPROACH

(51) International classification	:G16H0050700000, G16H0050300000, G08B0025010000, G16H0020000000, G16H0050200000	(71)**Name of Applicant :** **1)Dr.S.Ramamoorthy** Address of Applicant :Associate Professor,CSE Department, SRM Institute of Science and Technology,Kattankulathur,Chengalpet,Tamilnadu Tamil Nadu India **2)R.Sendhil** **3)Dr.R.Kaviarasan** **4)Dr.A.Arulmurugan** **5)A.Ilavendhan** **6)Dr.R.Poorvadevi**
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(57) Abstract :
Women in the society facing number of challenges related to their health, relationship establishment, psychological pressures, safety etc..The wide range of connectivity, digital and virtual space opens number of new threats against women safety. The precautionary measures are very much required for the women to strengthen themselves to approach this type of threats imposed against them. The lack of awareness about the selecting the right relationship and handling psychological pressure will lead themselves into complicated situations. The better understanding about health care management and food habits will avoid multiple numbers of health issues threatening their physical health. The women empowerment starts from the way they are handling the complicated situations, mental pressure and health condition. The proposed personalized women safety application considers the personal safety guidelines for women through advanced mobile application. The application suggests and guides the women in the right direction by analyzing the various real-time situations and it root causes provided by other women on this forum. An open forum will be created for the women to post their personal challenges faced in the society. The machine learning algorithms are applied over the data collected through this type of forum to classify and predict the similarity percentage of the current issue. The personalized women safety recommendation guidelines will derive from the analysis to help all the women in the forum facing the same problems in the society. Through this approach women can directly learn themselves about how to handle the problem and difficult situation. The handheld mobile devices are making the model more comfortable and personal for the women without revealing the personal details to unknown person.

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