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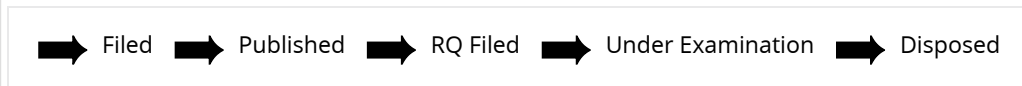| Application Details	
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TITLE OF INVENTION	DART (DEPRESSION AND RELATED TRACKER) : IDENTIFICATION SYSTEM TO FIND AND PREVENT DEPRESSION TENDENCIES OF WOMEN.
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(54) Title of the invention : DART (DEPRESSION AND RELATED TRACKER) : IDENTIFICATION SYSTEM TO FIND AND PREVENT DEPRESSION TENDENCIES OF WOMEN.

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(57) Abstract :
My Invention focuses on the development of a system that analyses and identifies the depression tendencies of a women during melancholy stage of their life. Depression and suicidal thoughts are two of the most frightening things a person can face in their lifetime. Unfortunately, acting on those suicidal thoughts is a far too common scenario for many across the world. Suicide is the third leading cause of death among adults worldwide. In this Invention our main aim is to help Women who are suffering or have suffered from depression, suicidal thoughts or survived suicide attempts. It is also designed to warn concerned friends and family members who might be worried that someone they love will experience death by suicide. The main issues faced by women are love failure, work pressure, dowry or other types of harassment by husband & in-laws, sexual harassment at the work place etc., All these problems may lead to life threatening situations to women. An appropriate depression analysis and prediction system is required to ward off such eventualities in the society. The Invention is a predictive machine learning tool that analyzes data from social media used by the victim, classifies the speech of victim during that time to check the level of depression and also finds the hormonal imbalance due to depression through sensors and sounds warning bells to the near & dear of the user by fore-warning them. Depression has long been linked to suicidal thoughts and suicide attempts. Learning how to recognize depression, spotting when it gets worse, and finding the right resources can literally mean the difference between life and death. The predictive tool that is proposed to be developed provides the following features. a. Shows the terminology and its frequency that is used by the victim during the melancholy stage through statistical features of the audio recordings of speech so that tool can measure the prediction rate. b. It observes the social media like face-book, twitter, e-mail etc., by analyzing and also classifying the terms from the originating messages through machine learning algorithms and sentiment analysis. c. It also predicts rate of depression by considering victim's blood pressure, pulse rate etc., through medical diagnosis.

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