

Emotional Factor Recognition

While trying to build a robot similar to that of a human, scientists have come up with a lot of different inventions that are not as efficient as their natural counterparts but they are surely very useful inventions. Human beings feel emotions, our emotions are triggered by external stimulus that hit our brain e.g. a failure in life may make you sad. Most commonly our facial expression is what shows our emotions, if we are happy we smile, if we are sad we have a sad frown on our face etc. This is a natural emotion recognition system. Emotional factor recognition is one of the most important and most user friendly artificial intelligence application to date. It is a tool that actually takes care of you as it adjusts the environment according to your emotions and likening. As it is a form of artificial intelligence, it is also called emotional intelligence.

Nowadays we see its application in almost all the devices around us. There are small music devices similar to iPods which sense your mood and play music accordingly. Same is the case with houses with remote controlled room. The room adjusts the light of the room according to your needs. There has been a lot of work on this matter but there is still a lot of room for improvement and modifications. If rightly done emotional factor recognition can help decrease depression and anxiety by acting smart and adjusting to the situation which would best meet the person's need. Emotional factor recognition tools are not only helpful for medical purposes but also for legal matters as emotional factor recognition is a very important part of a lie detector test and it has helped federal agencies catch a lot of lying criminals by studying their emotions while speaking or answering to questions. Humans have been able to replicate a lot of internal natural body structures, emotional factor recognition works in the same way as human brains experience emotions, but the most basic source of extracting emotional data from humans by these tools is the human face. They measure the length and muscles positions of the face and then come up with the emotion that the person is experiencing for example if the mouth muscles are extended to the sides then the person is smiling. As discussed above that the most basic source of recognizing emotions in a human is face, this does not mean that cognitive and behavioral studies can't help in recognizing emotions. A person's behavior at a certain point in time heavily depicts his emotions, crying at a tragic event shows sadness and same way laughing at a hangout with friends shows happiness.

There are a lot of applications of emotional factor recognition but there is no doubt that there are still some untouched fields which can help emotional factor recognition become more effective and efficient. Whether it's our car , our room or even our mobile phones, emotional factor recognition has made everything around us more user friendly.