

ABSTRACT :

In this abstract we are going to see about the topic “DISEASE DETECTION BY THE HELP OF BIO ROBOTICS”. The main disadvantage in the existing monitoring systems is in its portability where the patients have to go through lot of stressful procedures in the hospital which includes lots and lots of sensors stucked to their chest region and on their limbs, since most of the people who gets these neural related diseases are of old age, they have to go through this hectic process. So, this proposed system is designed in a way such that patients can relax in their house and still get monitored by their family members. This above topic refers to increment in usage of bio robotics science in the field of disease detection, this concept uses fuzzy logic to diagnosis NEURO PSYCHOPHYSICAL problem related diseases such as Parkinson. This system(DDX) is portable and the loss in accuracy and efficiency of the diagnosis is low. The output is easily transferable, even by remote access, the output can be shown in visual monitors and through communication systems. The monitoring system for patients suffering from neural related diseases like Parkinson’s can be advanced by many folds and it will be the most user-friendly device to monitor the patients. The device that we are preparing is similar to joysticks that we use play games, so patients don’t get stressed about devices monitoring them. Not only patients can use this device but people who are conscious about their health can also use this system for their benefit. The fuzzy logic gate system used here gets input as natural numbers unlike most system which receives input as 0s and 1s. so the output will be based on partial true and partial false analyzation.

BLOCK DIAGRAM :

