

S.H.I.E.L.D ROBO-2.0

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Abstrac : Humans has left no stone unturned to save humanity. Large and multifarious equipment's such as X-RAY device, COMPUTER RADIOGRAHY etc have been invented in previous decades. Patients in ambiguity of its disease needs to undergo several stages of scanning but in different medical devices, hence instead of numerous devices why shouldn't we design a device which not only scan but also operate according to the situation, hence via the concepts of sensors, spectrometers, bioinformatics, biometric analysis, robotics, prosthetics and instrument designing , adding an extra leaf in the field of biomedical science I introduced the theory of a hypothetical device named "S.H.I.E.L.D ROBO-2.0" which stands for SECURED HUMAN IMAGING ELECTRONIC DEVICE ROBO-2.0 , a device which is a fusion of medical science and robotics, if structured according to the theories and design will not only generate results in calculative time but also by its designed ability will perform minor surgery via robotic arms mapped with algorithms inherited by engineers, it will also perform x-ray scans, perform thorough body checkup for allergies and will check the condition of prosthetic attachments in patients. As we all know that though the concepts of robotics/x-ray/computer radiography have been utilized by doctors and biomedical engineers but, they have used it in scattered form hence S.H.I.E.L.D ROBO-2.0 gives an extra edge to the doctors and engineers to either analyze or operate the patient depending upon the situation. This device will also provide engineers belonging to electronics/robotics sector a larger role in the field of medical science hence minimizing the gap between engineering and medicine. Device will increase the processing time of output and decrease the burden on doctors so that they can concentrate more on complex surgeries leaving the straightforward surgeries and cases to S.H.I.E.L.D ROBO-2.0.