The proposed project, "Diabot" is targeted towards those who are diabetic, to be able to take care of themselves without having the trouble to arrange for appointments or consultation. The debate is an artificial intelligence based expert system that can be used by diabetic patients for regulating and examining their current vital information at the convenience of their own homes. This boat is, therefore a “companion” both for the patient, which can be accessed at any time. Diabot will measure the necessary parameters of the patient’s blood and will consult them about their medication or suggest activities to do according to the reading that is taken by the reading device. The “Diabot” will have a knowledge base through various medical databases and case files pertaining to diabetic patients, which will allow the system to make inferences for making decisions.

The main objective of the proposed project is to design an expert system for diagnosis of diabetes and to provide the patient with an equivalent consultancy as such provided by a
doctor, so the patient has easy access to health care. From this proposed project, there can be a hope to provide a cost-effective and user-friendly personal healthcare bot which is an expert system in the management of diabetes using Artificial Intelligence.

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Index Terms

Computer Science       Artificial Intelligence

Keywords

Artificial Intelligence, Expert System, Knowledge Base, Inference Engine, Diabetes