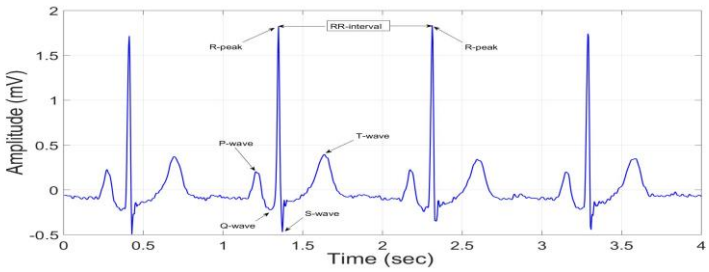


**Webinar Title:** "Computer-aided medical diagnosis of heart and brain diseases"

**Registration Fee:- Rs. 1200.**

**Expert Speaker**– Prof. Ram Bilas Pachori

**Webinar Date: 11th October, 2020 Time: 06 PM-08 PM (IST)**

**About Webinar: -**

Generally, doctors perform diagnosis of heart and brain diseases based on the visual scanning of biomedical signals like electrocardiogram (ECG) and electroencephalogram (EEG) signals. Such type of diagnosis methods are subjective in nature and very time consuming especially for long data recordings. Therefore, there is a lot of interest in the literature to develop automated methods for diagnosis of diseases based on the signal processing and machine learning algorithms. Signal processing methods help in providing a good set of features and machine learning techniques help in designing classifiers to perform automated classification of biomedical signals for the design of computer-aided medical diagnosis systems for identification of diseases. Such designed automated diagnosis systems can assist doctors in their diagnosis. In this webinar, various developed methods for computer-aided medical diagnosis of heart and brain diseases which are based on signal processing and machine learning techniques will be presented and future directions for the research work in these areas will be highlighted.

**Speaker Profile:-**

Dr. Ram Bilas Pachori has been working as a Professor since 2017 at IIT Indore. He was a Visiting Professor at School of Medicine, Faculty of Health and Medical Sciences, Taylor´s University, Subang Jaya, Malaysia during 2018- 2019 and a Visiting Scholar at Intelligent Systems Research Center, Ulster University, Northern Ireland, UK during December 2014. He is an Associate Editor of Electronics Letters, Biomedical Signal Processing and Control journal and an Editor of IETE Technical Review journal. He is a senior member of IEEE and a Fellow of IETE and IET. He has more than 200 publications which include journal papers (121), conference papers (65), books (04), and book chapters (16). His publications have around 6800 citations with h index of 43 (Google Scholar, September 2020). He has been listed in the top h index scientists in the area of Computer Science and Electronics by Guide2Research website. His area of research is Signal Processing and Machine Learning.

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