**CLASSIFICATION OF ARRHYTHMIA BYUSING DEEP LEARNING WITH 2D ECGSPECTRAL IMAGE REPRESENTATION**

**LITERATURE SURVEY:**

*The Purpose of this chapter to review the previous of Researchers on theAirlines Data Analytics for Aviation Industry.This chapter will present the mainrecent works on the effects of  Airline and Air Port services and to avoid delaysin Air Travel across different locations at Municipality level.*

For time series data, 1-D CNNs are proposed but are less versatile when compared to 2-D CNNs. Hence, representing the time series data in a 2-D format could benefit certain machine learning tasks [1]. The conventional techniques might not achieve efficient results due to the inter-patient variability in ECG signals [2]. The ECG signal detects abnormal conditions and malfunctions by recording the potential bio-electric variation of the human heart. Accurately detecting the clinical condition presented by an ECG signal is a challenging task [3].  A recurrent neural network (RNN) [4] was used for feature extraction and achieved an average accuracy of 98.06% for detecting four types of arrhythmia.

**References :**

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