

The expected outcomes of this research is an artificial intelligence (AI) heart attack early warning system utilizing piezoelectric sensors. Every year, worldwide it is estimated that 20 million people die from cardiovascular disease, which call for efforts from different discipline to reduce this number using AI based technologies. In UAE, more than 50% of the residents have been affected by heart disease according to reports from Cleveland Clinic Abu Dhabi. The proposed combined AI with piezoelectric sensory technology to predict and identify such high risk at least five years before it strikes.