## **INTEL AI FOR YOUTH**

## Virtual Symposium

**Project Title:**

Cardiovascular diseases predictor

**Domain:**

Statistical Data and Natural Language Processing

**Name:**

Yuvan DS

**School:**

Royale Concorde international school

Kalyan Nagar, Bengaluru

**Summary:**

Cardiovascular diseases these days (**CVDs)** are the number 1 cause of death globally, more people die annually from **CVDs** than from any other cause. An estimated 17.9 million people died from **CVDs** in 2016, representing 31% of all global deaths. The **CVD** predictor will give the user the results of whether there are any **CVD** symptoms detected or not in no time by using the information provided by the user which takes the him/her less than 3 minutes to enter all the required information so that the system can predict the result.

**Context:**

**CVD** symptoms need prompt attention and care which will otherwise result in fatality. **CVDs** symptoms are very often mistaken for gastritis or other health complications. To make the lives of the fellow beings on earth more secure, Yuvan DS from Royale Concorde International School, Bangalore, Karnataka has developed an AI system that can detect **CVD** like symptoms and give the user the report so that the necessary action can be taken.

**How does it work?**

The CVD predictor has been trained to predict whether or not there are any symptoms detected by using the information that has been provided by the user at the start. The user starts of by entering basic details such as age, gender, blood pressure, fasting sugar, whether or not they have chest pain etc. The model is based on K-nearing neighbours and uses the information provided by its neighbours to predict whether or not there are any CVD symptoms detected. The creator of this model aims to create a full-blown website where people can get prompt results after entering their symptoms for **free.**