**Problem Description – Deep Learning Hackathon on Medical Dataset**

**Problem Description:**

Following are 13 input columns for doing the prediction on heart disease. The "target" field refers to the presence of heart disease in the patient. It is integer valued 0 = no disease and 1 = disease. Please apply suitable Deep Learning algorithm to predict the target variable.

**Independent Variables:**

1. age
2. sex
3. chest pain type (4 values)
4. resting blood pressure
5. serum cholestoral in mg/dl
6. fasting blood sugar > 120 mg/dl
7. resting electrocardiographic results (values 0,1,2)
8. maximum heart rate achieved
9. exercise induced angina
10. oldpeak = ST depression induced by exercise relative to rest
11. the slope of the peak exercise ST segment
12. number of major vessels (0-3) colored by flourosopy
13. thal: 0 = normal; 1 = fixed defect; 2 = reversable defect   
    The names and social security numbers of the patients were recently removed from the database, replaced with dummy values.

**Dependent Variable:**

* target