**Semester Project-III**

**Abstract**

**Title: Heart Attack Prediction Model**

**Abstract:** Heart Attack prediction Model helps to predict whether a person will get heart attack in next 10 years using passed dataset in machine learning. In the modern era, approximately one person dies per minute due to heart disease. Data science plays a crucial role in processing huge amount of data in the field of healthcare. As heart disease prediction is a complex task, there is a need to automate the prediction process to avoid risks associated with it and alert the patient well in advance. We use dataset having parameters like cholesterol, Blood pressure, etc available in UCI machine learning repository. The proposed work predicts the chances of Heart attack and classifies patient's risk level by implementing different data mining techniques such as Logistic Regression and Random Forest. The trial results verify that Logistic Regression algorithm has achieved the highest accuracy of 90.16% compared to other ML algorithms implemented.

**Keywords:** Python, Machine Learning, MYSQL

**Name of Current Semester Subjects:** Machine Learning, PLP

**Team Members:**

1. Ram Girish Paliwal (SY-DS-02)
2. Lalit Gulab Sangore (SY-DS-25)
3. Kanchan Prakash Mahajan (SY-DS-67)