**iii Background Study**

According to the World Health Organization, 15 million people suffer stroke worldwide each year. Of these, 5 million die and another 5 million are permanently disabled. High blood pressure contributes to more than 12.7 million strokes worldwide. Europe averages approximately 650,000 stroke deaths each year. In developed countries, the incidence of stroke is declining, largely due to efforts to lower blood pressure and reduce smoking. However, the overall rate of stroke remains high due to the aging of the population. [1]

**A. Data mining**

Data mining is a process of collecting or gathering hidden data from large data sets where data set means a collection of data. Data mining process is used for finding a pattern or similarity and relationship among large data set. We are living in an age where data is constantly being collected. Our required and unnecessary data is being submitted too. So we need to get help with data mining if we need to find our required data. In data mining process, Flat Files, Rational Databases, Datawarehouse, Transactional Databases, Multimedia Databases, Spatial Databases, Time Series Databases and World Wide Web (WWW) are different sources are used.