**TOPIC NAME: Weather prediction using machine learning.**

Weather has a profound effect on human health and well-being. It has been demonstrated that weather is associated with changes in birth rates, and sperm counts, with outbreaks of pneumonia, influenza and bronchitis, and is related to other morbidity effects linked to pollen concentrations and high pollution levels. The climate is changing at a drastic rate nowadays, which makes the old weather prediction methods less effective and more hectic. Also, weather depends on so many factors like, temperature, entropy system, pollution in water and air, ecosystem of animals and marine coastal, natural disaster.

To overcome these difficulties, an improved and reliable weather prediction methods is required. These predictions affect a nation’s economy and the lives of people. To develop a weather prediction system considering various factors mentioned above that can be used in remote areas is the main motivation of this work. This model will predict advance update of weather considering different fields and factors by using different machine learning methods.