**English Group Assignment**

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We are all familiar with weather forecasts. Various traditional methods of forecasting have been used for centuries. These include observing the behavior of certain animals, insects and plants, in the modern world, we listen to the weather forecast on the radio, watch it on the TV or read it in the newspaper. The modern science of weather forecasting is called ‘meteorology’, which is the study of the atmosphere and its phenomena In Ethiopia it first attained importance when a small meteorological unit was established in 1951 to provide weather information solely for aviation. Slowly, the usefulness of this information was realized by other sectors so that nowadays weather forecasting plays a vital role in the life of the nation.

Weather forecasting is used on a daily basis by may different sectors, Aviation is especially sensitive to the weather and it can’t operate without accurate weather forecasting. Fog can prevent aircraft from landing and taking off. Thunderstorms are a problem because they can cause serve turbulence. Ice, hail, strong winds, and lightning can cause serve damage to an aircraft in flight and on a daily day to day basis airliners are routed to take advantage of the wind direction to improve fuel efficiency. The military use weather forecasting when planning actions and manoeuvres so they can take place in the most suitable weather conditions. Farmers rely on weather forecasts to plan planting and harvesting. On the sea, fisherman and sailors need to be warned about storms which can put their vessels as well as their lives at risk. Various business sectors require weather forecasting too. The tourist industry needs to know if conditions are going to be good for activities such as terkking or safaris. While shopkeepers need to plan for goods such as suitable food and clothing that customers may require due to significant changes in the weather.

Modern weather forecasting involves to principal processes: data collection and analysis, Around the country there are weather stations where information is collected about temperature, precipitation (rainfall), wind direction and speed and atmospheric pressure. In addition, data is obtained from satellites in space and radar. All this data is sent on a daily basis, or more frequently than that, to the National Meteorological Agency where it is analyzed using powerful computers. These apply physical laws to the data to create mathematical models which are then used to produce charts , weather and air-quality forecasts, climate predictions, risk assessments and early warning services.

A major part of modern weather forecasting is the provision of serve weather warnings, This is done to protect life and property, Some of the most common types of serve weather are thunderstorms, cyclones, as well as high winds, floods and drought. This information is vital to allow the public at large to prepare themselves and their property for weather events that may endanger them, to enable electricity companies to be prepared for cable damage so they can wan the public for possible power shortages, and also to help the government to plan relief activities for those affected.

As we have seen, weather forecasting plays a vital role in the modern world. However, it is still impossible to give 100% accurate weather forecasts all over the world this leads to unexpected and unplanned for weather events which can damage agriculture and economies in general, and result in human loss of life. Accuracy has improved over the years and five-day weather forecasting today is as accurate as two-day weather forecasting was 30 years ago. Improving forecasting accuracy remains a goal for meteorological services around the world.

| Paragraph 1 Main Point | Weather forecasts are very popular and used for centuries. |
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| Supporting points | Ancient people used to predict the weather by observing the behavior of animals. |
| **Paragraph 2** Main Point | Many sectors rely on the application of weather forecasts. |
| Supporting points | Aviation uses it to make sure a certain flight will be smooth, Military uses it to do the right thing and make right actions and many more ….. |
| **Paragraph 3** Main Point | Modern weather forecasting uses collection and analysis of data. |
| Supporting points | A data about temperature, atmospheric pressure, rainfall … is collected from various stations and analyzed by a powerful computer. |
| **Paragraph 4** Main Point | Weather forecasting is very important to give warnings to protect life and property |
| Supporting points | Electricity companies use weather forecasting to warn the public about possible power shortages. |
| **Paragraph 5** Main Point | The main goal for meteorological services is to improve the accuracy of weather forecasts. |
| Supporting points | Inaccuracy can lead to heavy damage of life and property |