

# ASSIGNMENT # 1

**Q1.** How and where is facebook using Machine Learning to improve user experience?

**ANSWER :**

Machine learning (ML) is an application of artificial intelligence. Facebook uses ML in every aspects like;

- **AUTOMATIC TAGGING**

When you post any photo with your friends, facebook will automatically suggest you to tag your friends if you want.

- **RELEVANT ADVERTISEMENTS**

Some of the ads might come up on your facebook feed relevant to you past searches.

- **FRIEND SUGGESTION**

If a person stalk you on facebook, in your contact list or your friend in any app except facebook, facebook will show them in your suggestion column.

- **NEWS FEED**

Friend or a page whom you interact more in facebook then their post appear at the top of your facebook account feed.

**Q2.** How do you think deep learning can change the world and do wonders?

**ANSWER :**

Deep learning can change the world as it allows machines to solve complex problems even when data is very diverse or unstructured. Deep learning can also be successfully applied to big data for knowledge discovery and prediction. It provide huge amount of opportunities for new innovations. These are the requirements of the modern world.

- Deep learning algorithms eliminates the need of domain experts and hard core feature extraction.
- Deep learning techniques tend to solve the problem end to end.

- Deep learning algorithm takes less time to run where as traditional machine learning algorithm, test time increases on increase in data size.

All these benefits of using deep learning surely change the world. There are some practical examples where machines can solve problem without interacting humans and these are the sign that in future it will grow more.

**Q3.** What is your dream AI project that can become into reality and can have a commercial value. Justify your answer.

**ANSWER :**

My dream AI project is “**FINANCIAL STATE PREDICTOR**”. This project is use to predict the future financial condition of an individual or a country by analyzing the previous recorded and current data.

### **JUSTIFICATION**

This project will especially beneficial for common people that on the behalf of current savings, investments, amount of money spent and all the deep details about the financial activity of a person this project can predict the future financial condition either they will financially stable or not in future. This prediction can help a person to maintain their future stable and secure to survive in the world. This project will also help countries to find their future financial condition so the country will recover the things for better future.

### **COMMERCIAL VALUE**

This project aware an individual or a country of its future stability. If this dream become into reality then an individual or a country easily took actions to make progress in future.