As the topic I am planning to chose for the Final Year Project is “Flood Forecast in Gilgit-Baltistan using Machine Learning and Deep Learning techniques”. This topic is more related to a case study where we are taking a specific problem and then doing in depth study of it and at last, we are coming up with the conclusions. Flood forecasting is very necessary for all the regions, but it is extremely crucial for mountainous areas like Gilgit-Baltistan, Naryn, Khorog etc. The glaciers in the mountains are directly impacted and hence starts a flood. This is extremely dangerous for the vulnerable communities living in the mountainous regions. I am planning to study this case in a very deep way and try to predict the floods before hand so that it will result to less losses and we may also find the reasons to decrease the number of floods.

I think I will use the whole budget 300 USD as I am planning to produce a research paper and I might more money to publish a paper in a well-known journal.

I have not finalized the topic, whenever I will finalize the topic, I will do similar application comparison. For now, I have done thorough research on this topic, and I found that there have not been done such research in Gilgit-Baltistan. There is one research paper written by the faculty of Karakorum International University which predicts the sea level when it rains.