**PROGRESS REPORT**

**PROJECT: IMAGE CAPTIONING**

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| PROJECT TITLE | IMAGE CAPTIONING |
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| AIM OF THE PROJECT | **This project aims at generating captions for images. The project has its base on Neural Networks, which uses a variant of Recurrent neural Network (RNN) coupled with a Convolutional Neural Networks (CNN). We intend to use phrases as elementary units instead of words, which would lead to better semantic and syntactical captions. The project further can be extended to generate audio for the text generated.** |

REQUIREMENTS:

* THE MODEL SHOULD BE ABLE TO GENERATE SUITABLE CAPTION DESCRIBING THE IMAGE.
* **WE INTEND TO USE PHRASES AS ELEMENTARY UNITS INSTEAD OF WORDS, WHICH WOULD LEAD TO BETTER SEMANTIC AND SYNTACTICAL CAPTIONS.**
* **AN INTERFACE (WEB OR ANDROID) SHALL BE MADE FOR USER INTERACTION.**

**SUMMARY**

* **SO FAR, THE MODEL IS ABLE TO GENERATE A CAPTION FOR THE IMAGE.**
* **WE HAVE BEEN ABLE TO ACHIEVE TARGET OF COMPLETING THE PROJECT UPTO 30%.**
* **DEVELOPMENT OF SRS DOCUMENT HAS BEEN STARTED.**

**TO BE DONE IN FUTURE:**

* **COMPLETION OF SRS DOCUMENT.**
* **IMPROVEMENT IN ACCURACY OF THE MODEL IN GENERATING THE CAPTIONS.**
* **INTERFACE (WEB OR ANDROID) IS TO BE BUILT.**