

University of Essex

Installation Instruction CE903

*Automatic Title Generation Using
Encoder-Decoder Models*

Team-9

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Software requiremnts to run the Web application

1. Software required to Pre-Install
 - Python v.3+
 - Google Colab
 - Google Drive(with 4GB storage available)
 - Flask
 - Ngrock (To get Token for web server)
 - Web Browser(Microsoft edge/Chrome)
2. Install required Libraries of python as describe bellow using command prompt

```
!pip install simplet5
!pip install flask_ngrok
!pip install pyngrok
!pip install numpy
!pip install pandas
```
3. Can download Pre-Train model dataset using bellow link
[CE903 Code Dataset | Kaggle](#)
4. Now unzip the dataset file, HTML code, Supported python file and Upload to your google drive with directory as shown below.

/MyDrive/ce903_code

5. Open google colab
6. Upload Title_Genration.IPNYB file to your colab
7. Run all the cell
8. If you get this path in your cell output then you successfully mount the code over the cloud



Fig.1 Acknowledgement of Dataset and code mount to the drive (Reference: Self work)

9. At the end you got the Web application link of ngrock like as bellow

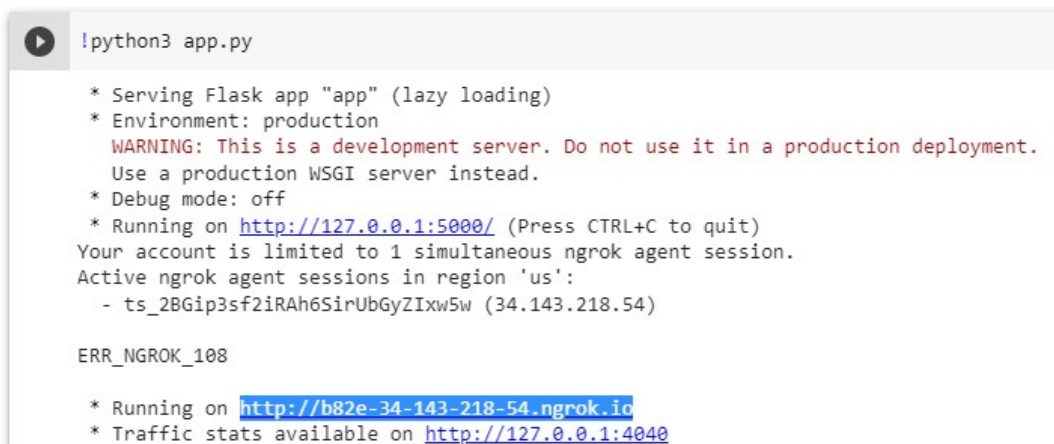


Fig.2 Genrated link of ngrock web server, wher our Application run (Reference: Self work)

10. Open the link which is shown above in your browser
11. It will open "index.html" web page where you can enter the research paper text in the textbox and perform Automatic title generation using encoding-decoding method objective.

Note: If you get error while open in the browser. Token of ngrok may expire. It is student base Web application so we didn't purchase web server space. So if your token will expire from the ngrok then you need to update token using your email id from the ngrok and need to Paste that Token to our "Present.py" file which is store in `"/MyDrive/ce903_code"` Save it again and your web application is ready to perfrom.