Abstract

INTERPRETING DOCTOR'S PRESCRIPTION

A Doctor's Handwriting Recognition model can predict (recognize) the text present in the doctor's prescription, by feeding image of that medicine name as an input to the model and the model processes the image with deep neural network and it predicts the text present in the image and it gives the final medicine name as digital text.This model is suitable only for Text written in English Language and not suitable for other languages of texts written in prescription. The model based on training dataset the output it produce may get varied and based on images training count. Both convolution layers and Bi-LSTM layers can be used for feature extraction and recognizing text respectively.

Keywords: Bi-LSTM Layers, Convolution Layers, Adam optimizer, Batch Normalization, Relu Activation Function

<table>
<tr><td rowspan="5">Student Names Numbers and signatures</td><td colspan="3"></td></tr>
<tr><td>Roll Number</td><td>Student name</td><td>Student Signature</td></tr>
<tr><td>208W1A1299</td><td>Md.Rizwanullah</td><td></td></tr>
<tr><td>208W1A12A1</td><td>N.Ajay Kumar Varma</td><td></td></tr>
<tr><td colspan="3"></td></tr>
<tr><td>Research Group</td><td colspan="3">AI/ML/DL</td></tr>
<tr><td>Application Area</td><td colspan="3">Health Care</td></tr>
<tr><td>Name and Signature of The Guide</td><td colspan="3">Dr.M.Suneetha</td></tr>
<tr><td>Name and Signature of the Mentor</td><td colspan="3">Y.Sandeep</td></tr>
</table>