A

Project Report

On

IMAGE CAPTION GENERATOR

Submitted to

Department of
Computer Science and Engineering

By

KOYALKAR DIVYA	(206Y1A0551)
GOURISHETTY KEERTHIKA	(206Y1A0531)
BUSA SOUMYA	(206Y1A0514)
KODISHALA MEGHANA	(206Y1A0545)

Under the guidance

Of

Mrs.A.KALYANI
Asst.Professor

Department of Computer Science & Engineering

SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)

Ananthasagar(Vill), Hasanparthy(M), Warangal – 506 371 (A.P.), Website : www.sritw.org

2022-2023

Rajai

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)

Ananthasagar(Vill), Hasanparthy(M), Warangal – 506 371 (A.P.), Website : www.sritw.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"IMAGE CAPTION GENERATOR"** is submitted by KOYALKAR DIVYA(206Y1A0551), GOURISHETTY KEERTHIKA(206Y1A0531), BUSA SOUMYA(206Y1A0514) and KODISHALA MEGHANA(206Y1A0545) to the department of Computer Science and Engineering during academic year 2022-23.

Mrs.A.KALYANI
Project Guide

Dr.E.SUDARSHAN
Head of the Department

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

S.R.I.T. FOR WOMEN ★ WARANGAL ★

ABSTRACT

In this paper, we investigate the applications of deep learning models to predict the suitable caption for the given image. Image Caption Generator is the process of generating the caption or small description for an image. Our proposed model detects the important objects in an image and relationship between them. Finally, it predicts meaningful caption. Image Captioning is one of the widely used technique in this computer era. Image Captioning has been a high- interest research area, as it requires more effort and knowledge about neural network and deep learning models. In order to get good accuracy, large number of images are trained and examined. Our model is trained for different epochs. Convolutional and LSTM Neural Network models have been used to generate the captions. The predictions are then compared in order to find those which provide the best performances. The dataset used for training the images is Flickr8K, collected from kaggle website. A seemingly easy problem turned out to be indeed very difficult to resolve with high accuracy. In the future, we intend to use more sophisticated models.

S.R.I.T. FOR WOMEN ★ WARANGAL ★

Rijar

Principal
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)