MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA245 – MINI PROJECT

PROFORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

(Note:All entries of the proforma for approval should be filled up with appropriateand complete information. Incomplete Proforma of approval in any respect will be rejected.)

Mini Project Proposal No:_____ *(Filled by the Department)*	Academic Year : 2020-2022 Year of Admission :2020

1. Title of the Project : IMAGE STORY TELLER

2. Name of the Guide :

3. Number of the Student: MES20MCA-2032

4. Student Details (in BLOCK LETTERS)

	Name	Roll Number	Signature
1.	MUHAMED SADHIQ.P.V	32	

Date: 01/12/2021

Approval Status : Approved / Not Approved

Signature of Committee Members

Comments of The Mini Project Guide Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of The Project Coordinator Dated Signature

Initial Submission:

First Review

Second Review

Final Comments : Dated Signature of HOD

IMAGE STORY TELLER

MUHAMED SADHIQ.P.V

INTRODUCTION

The aim of the project is to develop a software which will convert a text story into its corresponding image story. This software can represent a simple or even a big story with images corresponding to each sentence in the story. Each sentence of the given story is analyzed for its meaning and matching images are extracted from the web using Google Search Engine. The sentences are replaced by images which can convey the meaning of the text data, so that, the user obtains an image story line as an output for the text story line given as input. For finding which all words in each sentence make it meaningful, we make use of the NLTK module available in Python. At first, each word in the given story is tokenized using the tokenizer available in Python. The image story is designed in such a way that the images are represented in a gallery format. There is button which can be clicked to get the double corresponding to each sentence in the story. The sentence for each image, is also displayed below it, so that it can be understood in a better way

OBJECTIVES:

Currently to understand the inner meaning of an image people must either search or go to some experts for help. It is time consuming and sometimes images are not interpreted correctly. The project develop a software which will convert a text story into its corresponding image story. Each sentence of the given story is analyzed for its meaning and matching images are extracted from the web using Google Search Engine. The sentences are replaced by images which can convey the meaning of the text data, so that, the user obtains IMAGE STORY TELLERas an output for the text story line given as input. Thus users can understand the meaning of the image in a better way.

PROBLEM DEFINITION AND INITIAL REQUIREMENTS

PROBLEM DEFINITION

The image story teller system each sentence of the given story is analyzed for its meaning and matching images are extracted from the web using Google Search Engine. The sentences are replaced by images which can convey the meaning of the text data, so that, the user obtains an image story line as an output for the text story line given as input. The existing case of the system is not available.

PROPOSED SYSTEM

This software can represent a simple or even a big story with images corresponding to each sentence in the story. Each sentence of the given story is analyzed for its meaning and matching images are extracted from the web using Google Search Engine. The sentences are replaced by images which can convey the meaning of the text data, so that, the user obtains an image story line as an output for the text story line given as input. For finding which all words in each sentence make it meaningful, we make use of the NLTK module available in Python. Image story line in our project helps the users to understand the story in better way, even children's can understand.

BASIC FUNCTIONALITIES

USER MODULES:

The proposed system consists of 2 modules, they are:

Modules

1. Admin Module
2. UserModule

MODULEDESCRIPTION

Module design is a design approach that subdivides a system into smaller parts called modules. Winners primarily consist of four modules mainly:

Admin module

Admin module is the main component of the project. Admin module concentrates on handling the database and further details.

Admin module involves:

- Login
- Add data set(images)
- View users
- View feedbacks

User Module

User is the second module. This module consists of the following sub

modules:

- Registration
- Login
- Story Teller
- Feedback

FUNCTIONAL MODULES:

Text to Image Conversion

Text to Image Conversion is the next module.

This module involves:

- Story to sentences
- sentence comparison
  - tokenization
  - remove stop words from the string
  - stemming
  - create a vector containing keywords of both strings cosine similarity
  - cosine similarity

- Extract image from dataset with maximum similarity

SYSTEM REQUIREMENTS:

SOFTWARE REQUIREMENTS

For the proposed system to work properly, it is necessary that following software are installed and running on the server / client.

1. Operating System : Windows 8 or higher

2. Front End Tool : HTML, CSS, python

3. Back End Tool : MY SQL

4. IDE : Pycharm community, Android studio/eclipse

5. Web Browser : All new browsers

HARDWARE REQUIREMENTS

It is recommended that for optimal performance, the following minimum hardware are installed on the server on which the portal is hosted, as well as on clients that access the portal.

1. Processor : Intel Pentium IV
2. Monitor : Min. 14
3. RAM : 256 MB
4. Hard Disk : 80 GB
5. Keyboard : Standard 104 Keys
6. Modem : 56 Kbps
7. Mouse : Serial mouse