

**A MAJOR PROJECT REPORT**  
**ON**  
**SOCIAL MEDIA POST & CAPTION**  
**GENERATOR**

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## Overview :

This project is aimed at creating a tool that generates catchy captions, relevant hashtags, and emojis for social media posts based on user-provided keywords or themes. The main objective is to simplify content creation for platforms such as Instagram, LinkedIn, and Twitter.

## Project Details :

- . **Title:** Social Media Post & Caption Generator

- . **Difficulty Level:** Beginner

- . **Tools and Technologies :**

  - . **Programming Language:** Python

  - . **Libraries Used:** Random for generating random captions and hashtags.

## Project Description :

The application allows users to input keywords or themes for their desired social media post. It then utilizes a generative AI model to create engaging captions along with pertinent hashtags and emojis. This is particularly useful for marketers, content creators, and businesses looking to enhance their social media presence.

## Source Code :

```
import random

def generate_caption(keywords):
    captions = [
        f"Embracing {keywords}! 💖 #Inspiration #LoveLife",
        f"The magic of {keywords} awaits! ✨ #DreamBig #Achieve",
        f"Forever inspired by {keywords}. 📖 #Motivation #StayPositive",
        f"Discover the beauty of {keywords}. 🌸 #Nature #Adventure",
        f"Let's celebrate {keywords} together! 🎉 #Joy #Togetherness",
    ]

    hashtags = [
        "#SocialMedia", "#InstaGood", "#CaptionThis", "#NewPost",
        "#Trending", "#StoryTelling"
    ]

    selected_caption = random.choice(captions)
    selected_hashtags = random.sample(hashtags, 3)

    return f"{selected_caption}\n{' '.join(selected_hashtags)}"
```

```
if __name__ == "__main__":  
    user_input = input("Enter keywords or themes for your post: ")  
    print("Generated Caption:\n")  
    print(generate_caption(user_input))
```

## Structure of the Code :

- The '**generate\_caption**' function generates a caption based on input keywords.
- A list of possible captions is pre-defined.
- Randomly selects a caption and three hashtags to accompany it.

## **Output :**

Enter keywords or themes for your post: joy of nature

Generated Caption:

Discover the beauty of joy of nature. 🌸 #SocialMedia #NewPost  
#InstaGood

## **Conclusion :**

This project brings together concepts of generative AI and user interaction to create an effective tool for social media content generation. It allows beginners to understand and apply AI technology in a practical scenario.