College Chatbot

Code –

```python
import tkinter as tk
from tkinter import scrolledtext
from nltk.chat.util import Chat, reflections

# Define chatbot responses
responses = {
    "exam": "\nYou can find the exam schedule on the Stucor
App.(https://stucor.in/coe1/anna-university/)",
    "events": "\nCheck the college notice board or website for upcoming events.",
    "timings": "\nThe college is open from 8 AM to 4 PM, Monday to Friday. And open from 8 AM to
12:30 PM, on Saturday.",
    "library": "\nThe library is open from 10 AM to 4 PM, Monday to Friday.",
    "default": "\nI'm sorry, Please type one of the queries from below:\n1. Exam\n2. Events\n3.
Timings\n4. Library"
}

# Define chatbot pairs for NLTK Chat
pairs = [
    (r'exam', [responses["exam"]]),
    (r'events', [responses["events"]]),
    (r'timings', [responses["timings"]]),
    (r'library', [responses["library"]]),
    (r'(.*)', [responses["default"]])
]

class CollegeChatbotGUI:
    def __init_(self):
        self.window = tk.Tk()
        self.window.title("College Chatbot")
        self.chatbot = Chat(pairs, reflections)
        self.create_widgets()

    def create_widgets(self):
        self.chat_history = scrolledtext.ScrolledText(self.window, width=70, height=20)
        self.chat_history.grid(row=0, column=0, padx=20, pady=20, columnspan=3)
        self.chat_history.insert(tk.END, "Hi! Welcome to SPCET Chatbot.\nPlease type one of the
queries from below:\n1. Exam\n2. Events\n3. Timings\n4. Library")
        self.user_input = tk.Entry(self.window, width=50)
        self.user_input.grid(row=1, column=0, padx=5, pady=5)
        self.send_button = tk.Button(self.window, text="Send", command=self.send_message)
        self.send_button.grid(row=1, column=1, padx=10, pady=10)
```

```python
    def send_message(self):
        user_query = self.user_input.get()
        self.user_input.delete(0, tk.END)
        response = self.chatbot.respond(user_query.lower())
        self.display_message(user_query, "\n\nUser")
        self.display_message(response, "\nCollege Chatbot")

    def display_message(self, message, sender):
        self.chat_history.configure(state=tk.NORMAL)
        self.chat_history.insert(tk.END, f"{sender}: {message}\n")
        self.chat_history.configure(state=tk.DISABLED)
        self.chat_history.see(tk.END)

    def run(self):
        self.window.mainloop()

if __name__ == "__main__":
    chatbot_gui = CollegeChatbotGUI()
    chatbot_gui.run()
```

Output –