**A logo of a college of engineering

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**GOVERNMENT COLLEGE OF ENGINEERING-BARGUR**

**[ AUTONOMOUS]**

**PROJECT TITLE: CREATE A CHATBOT USING PYTHON**

**PHASE 4 – DEVELOPMENT PART 4**

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**COMPLETE SOURCE CODE:**

This is the complete Source Code for our Project AI ChatBot with a Trainer Function for Predefined Conversations.

from tkinter import \*

from chatterbot import ChatBot

from chatterbot.trainers import ListTrainer

import os

bot=ChatBot('Naruto')

trainer=ListTrainer(bot)

for files in os.listdir('data/english/'):

data=open('data/english/'+files,'r',encoding='utf-8').readlines()

trainer.train(data)

def botReply():

question=questionField.get()

question=question.capitalize()

answer=bot.get\_response(question)

textarea.insert(END,'You: '+question+'\n\n')

textarea.insert(END,'Naruto: '+str(answer)+'\n\n')

#pyttsx3.speak(answer)

questionField.delete(0,END)

root=Tk()

root.geometry('500x570+100+30')

root.title('ChatBot for Dinu')

root.config(bg='deep pink')

logoPic=PhotoImage(file='pic.png')

logoPicLabel=Label(root,image=logoPic,bg='deep pink')

logoPicLabel.pack(pady=5)

centerFrame=Frame(root)

centerFrame.pack()

scrollbar=Scrollbar(centerFrame)

scrollbar.pack(side=RIGHT)

textarea=Text(centerFrame,font=('times new roman',20,'bold'),height=10,yscrollcommand=scrollbar.set

,wrap='word')

textarea.pack(side=LEFT)

scrollbar.config(command=textarea.yview)

questionField=Entry(root,font=('verdana',20,'bold'))

questionField.pack(pady=15,fill=X)

askPic=PhotoImage(file='ask.png')

askButton=Button(root,image=askPic,command=botReply)

askButton.pack()

def click(event):

askButton.invoke()

root.bind('<Return>',click)

root.mainloop()

The code does not contain the Trainer Data within it. We made conversations based data and store it in a different location. We set our ChatBot to Train from that data and store within it, so that we can make the conversation with he ChatBot as per the Data.

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The above diagram is our ChatBot’s Gui Window. For the next Phase submission our project team will be displaying the Complete project as well improve all conversations datas in English.