BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NAAC with 'A+' Grade
SATHYAMANGALAM - 638401 ERODE DISTRICT TAMILNADU INDIA
Ph: 04295-226000/221289 Fax: 04295-226666 Email: stayahead@bitsathy.ac.in Web: www.bitsathy.ac.in
Stay Ahead

TECHNICAL APPROVAL COMMITTEE

GUIDE APPROVAL FORM

Date: 06 / 09 / 2023

Starting Date of Work				
Sl. No.	**Student Name**	**Reg. No.**	**Role**	**Signature**
1	JANANY I	7376222CT119	Team Leader	janany.I
2			Team Member	
3			Team Member	
4			Team Member	
5			Team Member	
6			Team Member	
7			Team Member	
8			Team Member	
9			Team Member	
10			Team Member	
Applying for the work:		Project		
Title of Work		AI GENERATIVE CHATBOT		

(To be Filled by Faculty In charge)

No. of students: 1

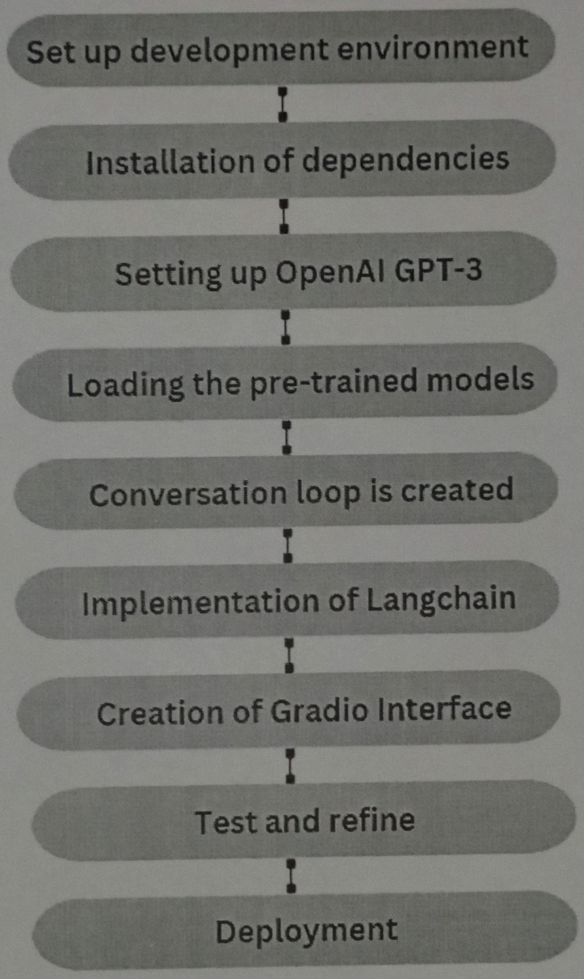
I acknowledge that I will act as a faculty in charge for the aforementioned students and guide them to complete the work by adopting the guidelines provided.

Lab Name: SCBOT - AI Cyber Security Lab
(In case of Faculty belonging to any special lab)

Name & Signature of the Faculty In charge with the date

K. MAHESHKUMAR
6/9/23

FLOWCHART:



IDEA/APPROACH DETAILS:

METHODOLOGY:

Firstly an development environment is set up by signing up with google colab and creating a new notebook and and hugging face transformers are used to set a library that provides pre-trained models and tools for working.Necessary libraries are installed using pip.The API key is generated from Open AI.The pre-trained Models are loaded from hugging face transformers.A creating conversation loop is created.Lanchain is implemented for Language Generation Control.Gradio interface allows us to create user interfaces for the models.A web-based chat interface can also be created for chatbot using gradio.

OBJECTIVES:

It primarily acts as a learning and skill-development platform, enabling people to gain a deeper understanding of natural language processing and the use of AI models. It also serves as a method for performing conversational AI research, revealing the strengths and weaknesses of sophisticated language models like GPT-3 or GPT-2. This research might produce prototypes for applications in content generation, virtual assistants, or customer assistance, allowing users to harness the potential of AI for innovative and educational uses. The versatility of the chatbot is further increased by the inclusion of Langchain, which enables study of language control and style transfer approaches.

TECHNOLOGIES INVOLVED:

- Google collab
- Open AI
- Hugging face
- LangChain
- Gradio

6/9/2023

Signature of Faculty In Charge

K. MAHESHKUMAR