



**GUJARAT TECHNOLOGICAL UNIVERSITY  
(GTU)  
INNOVATION COUNCIL (GIC)  
Patent Search & Analysis Report  
(PSAR)**



**Date of Submission : 09/10/2019**

Dear Gulani Simran Mahendra,

Studied Patent Number for generation of PSAR : 19BE7\_160410116038\_4

### **PART 1: PATENT SEARCH DATABASE USED**

1. Patent Search Database used	:	Google Patents
Web link of database	:	<a href="https://patents.google.com/">https://patents.google.com/</a>
2. Keywords Used for Search	:	NLP, Chat bot, AI
3. Search String Used	:	NLP chatbot
4. Number of Results/Hits getting	:	606

### **PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA**

5. Category/ Field of Invention	:	
6. Invention is Related to/Class of Invention	:	NLP AI
6 (a) : IPC class of the studied patent	:	G06N5/022
7. Title of Invention	:	ARTIFICIAL INTELLIGENCE PLATFORM WITH IMPROVED CONVERSATIONAL ABILITY AND PERSONALITY DEVELOPMENT
8. Patent No.	:	
9. Application Number	:	16/193, 845
9 (a) : Web link of the studied patent	:	<a href="https://patents.google.com/patent/US20190156222A1/en?q=NLP&amp;q=chatbot&amp;oq=NLP+chatbot">https://patents.google.com/patent/US20190156222A1/en?q=NLP&amp;q=chatbot&amp;oq=NLP+chatbot</a>
10. Date of Filing/Application (DD/MM/YYYY)	:	11/16/2018
11. Priority Date (DD/MM/YYYY)	:	
12. Publication/Journal Number	:	
13. Publication Date (DD/MM/YYYY)	:	
14. First Filled Country : Albania	:	

**15. Also Published as**

Sr.No	Country Where Filled	Application No./Patent No.
1		

**16. Inventor/s Details.**

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Maria Emma	New York City
2	Gregory Alexander D Amico	Knoxville

**17. Applicant/Assignee Details.**

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Gregory Alexander D Amico	Knoxville
2	Maria Emma	New York City

**18. Applicant for Patent is** : Individual

**PART 3: TECHNICAL PART OF PATENTED INVENTION****19. Limitation of Prior Technology / Art**

Chat bot for this particular field was not developed.

**20. Specific Problem Solved / Objective of Invention**

AI platform is used for enhancement of the user's personality.

**21. Brief about Invention**

The AI toy determines responses to stimuli based on user profiles and personality profiles that are developed through user interaction and external media input.

**22. Key learning Points**

NLP  
AI

**23. Summary of Invention**

The inputs are built from external sources and / or human - AI interaction , preferably , via a combination of pre - existing data that is supplemented and / or modified by human interaction with the AI platform of the present invention . When external sources are input , the AI analyzes and extracts meanings , personalities , and ideas from keywords and phrases in the external sources and incorporates the extracted meanings , personalities , and ideas into interactions with a user.

**24. Number of Claims** : 20

**25. Patent Status** : Published Application

**26. How much this invention is related with your IDP/UDP?**

> 91 %

**27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)**

Keeping in mind the scope of chat bot application, it must be developed for genre of fields.