**Mahavir Education Trust's**

# Shah & Anchor Kutchhi Engineering College,

## Chembur, Mumbai 400 088

**UG Program in Information Technology**

**Name:** GARIMA MAHENDRA MAHTO

**Class-Batch:** BE\_5A

**Roll No:** 07

| **Experiment No.: 1** | | | | | |
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| **Date of Performance:** | 29/07/2021 | | | | |
| **Date of Submission:** | 05/08/2021 | | | | |
| **Program formation/ Execution/ ethical practices (07)** | **Documentation (02)** | **Timely Submission (03)** | **Viva Answer (03)** | **Experiment Marks (15)** | **Teacher Signature with date** |
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**EXPERIMENT NO.01**

**AIM:** Study of AI Patents.

**LAB OUTCOME NO.:** 7.ITL703.1

**LAB OUTCOME:** Design the building blocks of an Intelligent Agent using PEAS representation.

**THEORY:**

* **Patent:** A Patent is an intellectual property right relating to inventions and is the grant of exclusive right, for limited period, provided by the Government to the patentee, in exchange of full disclosure of his invention, for excluding others, from making, using, selling, importing the patented products or process producing that product for those purposes. The law relating to patents in India is governed by Indian Patents Act, 1970 as amended by Patents (Amendment) Act, 1999 and Patents (Amendment) Act, 2002, which came into force with effect from May2, 2003.
* **Types of Patents:** The patent law provides three categories of patents: 1. Utility Patents: Granted for a new product process machine method of manufacturing and composition of matter. 2. Design Patents: Granted for any new or original Ornamental Design for an article of manufacture. 3. Plant Patents: A new variety of plant that has been asexually reproduced can be granted.
* **Best Patent search engine:**
* <https://patents.google.com/>
* <http://worldwide.espacenet.com/>
* <https://patentscope.wipo.int/search/en/search.jsf>
* <http://www.freepatentsonline.com/search.html>
* <http://patft.uspto.gov/>

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| **Patent No.** | **Patent Title** | **Country** | **Publication Date** | **Link** | **Claims** |
| IN201821021668 | REAL-TIME LEARNING IN AI CHATBOTS | India | 13.12.2019 | [201821021668](https://patentscope.wipo.int/search/en/detail.jsf?docId=IN283166787&_cid=P12-KRZ6VP-46636-8) | A method of real-time learning in a chatbot comprising the steps of:   1. input of the query 2. Input of the answer to the query. 3. Coding of the said answer to form a unique neural signature 4. said neural signature is stored |
| WO2021038380 | KNOWLEDGE GRAPH-BASED QUERY IN ARTIFICIAL INTELLIGENCE CHATBOT WITH BASE QUERY ELEMENT DETECTION AND GRAPH PATH GENERATION | United States | 04.03.2021 | [201821021668](https://patentscope.wipo.int/search/en/detail.jsf?docId=IN283166787&_cid=P12-KRZ6VP-46636-8) | A computer-implemented method for generating a query result utilizing a knowledge graph in an artificial intelligence chatbot, the computer-implemented method comprising:   1. identifying 2. mapping 3. generating 4. validating 5. generating |
| KR1020200084385 | ARTIFICIAL INTELLIGENCE-BASED WORK SCHEDULE MANAGEMENT METHOD | Republic of Korea | 13.07.2020 | [1020200084385](https://patentscope.wipo.int/search/en/detail.jsf?docId=KR300176875&_cid=P12-KRZ7WU-55365-1) | An artificial intelligence-based work schedule management method comprising: determining a plurality of users participating in a project and a plurality of tasks included in the project;  allocating the plurality of tasks correspondingly to each of the plurality of users; and  managing the plurality of tasks by communication between the chatbot based on the artificial intelligence and the plurality of users. |

**CONCLUSION:** Above mention are the few AI based Models to make decision during the operations. All these patents are taken from most popular patent search engine called patent scope..