**ARTIFICIAL INTELLIGENCE AND PATENTS: THE FUTURE OF INNOVATION**

**ABSTRACT:**

The artificial intelligence technology has brought unprecedented challenges to today's ethical standards, legal rules, social order and public management systems. In terms of Patent law, the main challenge is the patent eligibility of the artificial intelligence invention. Since inventions in the field of artificial intelligence include methods for implementing mental steps using computers and devices designed to automate mental steps, the implicit requirements for judging patent eligibility may be inconsistent with the nature of artificial intelligence technology. However, due to the importance of artificial intelligence to social development, many countries have begun to revise patent examination guidelines related patent-eligibility criteria to address the challenges of artificial intelligence.

**EXISTING SYSTEM:**

The judge has to apply the law as it is, and has to follow it. The law is taken as it is. Sometimes it results into injustice because of other factors such as social, economic and other circumstances are also to be considered while deciding the case by the judge. On the other hand Precedent allows a judge to give the decision on the merit of the case, without being rigidity tied down to watertight rules of the enactment. It is often said that statute laws are often worded in confusing language, certain loopholes are oftenly seen. It gives scope for many suspectable meaning. Numbers of errors and omissions are committed while connecting the law, which makes a little sense to a common man. Whereas the Precedent is always found it clear and simple word.

**DISADAVANTAGES:**

* Increased cost of care
* Dealing with Infringers
* Limited Time

**PROPOSED SYSTEM:**

Patent law protects inventions. Patent law is designed to encourage inventors by offering the incentive of a limitedtime monopoly on the technologyThere are many conditions that a patent applicant must fulfill to obtain a patent. First, the invention must be a "subject matter" that can be patented. This requirement is called the “ patent eligibility”requirement. In addition, the invention must be "novel", and "non-obvious"Second, it must not be directed to subject matter encompassing a judicially recognized exception: laws of nature, physical phenomena, and abstract ideas (35 U.S.C. 101). And in the European Patent Convention to be patent eligible subject matter, an invention must satisfy the provisions of Article 52 of the law.

**ADAVANTAGES:**

* Patent law protects inventions.
* The U.S. Patent and Trademark Office published updated examination guidance, instructing the examining corps.
* Exclusive Rights.
* Sparks Innovation.

**SYSTEM REQUIREMENTS:**

**HARDWARE REQUIREMENTS:**

* System : Pentium Dual Core.
* Hard Disk : 500 GB.
* Monitor : 15’’ LED
* Input Devices : Keyboard, Mouse
* Ram : 1GB.

**SOFTWARE REQUIREMENTS:**

Operating system : Windows 7.

Coding Language : Python

Tool : PyCharm,VisualStudio Code

Database : MYSQL

**REFERENCE:**

Sunakshi Mamgain Department of Computer Science M.Tech, I.I.I.T.-Bhubaneswar Bhubaneeswar, India a117009@iiit-bh.ac.in,“**Car Popularity Prediction: A Machine Learning Approach**”,978-1-5386-5257-2/18/$31.00 ©2018 IEEE