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### Prominence of Ethics in Information Technology Age

4 Pages • Posted: 6 Apr 2020

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Date Written: April 2, 2020

**Abstract**

In March 2018, the world was rocked by Facebook scandal involving Cambridge analytics and allegation of privacy invasions that numbered in the tens of millions. "Ethics in IT" became a very explosive topic after this. "The greatest good for the greater number of people is considered the utilitarian school of ethics." With the

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### A Bankable Pictorial Password Authentication Approach

5 Pages • Posted: 7 Apr 2020

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Date Written: April 4, 2020

**Abstract**

Secrecy has always been a tremendous issue, for data creation and exchange. The biggest question is how to give access to only authorized users. For authorization user needs Authentication which can only be checked by their identity proof. The Password entry system is widely used for identification purposes. Password assures that a device or information can only be used by those who have been given rights to access them.

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# An Evaluation of IT Next Gen–Unmanned Vehicle

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**Abstract**—The impacts of various information and communication technologies are leading to a cyber age. With this advancement people need to be aware of these several ethical, privacy and security issues associated with the new technology. Ethics in simple words means moral principles. Ethics in information technology means taking decisions about using these technologies based on moral values and knowledge of what is “right” or “wrong”. Information technology is the key technology used for development of smart driverless cars. These cars aim to reduce human errors and prevent road accidents from taking place. Every year 1.25 million people die in road accidents, of these 94 percent of accidents are caused by human errors which can be prevented using the driverless cars. However, these cars need to be programmed and there are cases where the program will have to make moral decisions on the road. These decisions can vary from causing a minor accident to prevent a major one to deciding whose safety is more important pedestrians or passengers. In this paper we will discuss about some experiments being done on driverless cars, the benefits and the challenges in the development of this new IT technology-driverless cars.

**Keywords** IT, Safety, Driverless Car, Ethics

## 1. INTRODUCTION

The first ever car (as you can see in figure 1) was sold in 1888 in Germany by Karl Benz. This car had only 3 wheels and could reach the maximum speed of 16kmph. Since then we have witnessed many developments in automobile sector.



Figure 1. the first car, Germany, 1888 [9]

Nowadays we have better engines, models, suspension etc. However, the most profound development is that of driverless cars. These cars have the potential to transform our lives. These cars are expected to reduce the number of road accidents, free up many resources and save time and money. Despite these obvious benefits of driverless cars there are many concerns about the technology. The reality is that we have a long way to go before we can have driverless cars in the street and we are still improving the technology so that in future we can make use of these cars without having to worry about its drawbacks.

The various challenges to driverless cars include being able to build a safe car, the regulations required by the governments worldwide so that these cars can become a reality and building an affordable car that can appeal to the masses so that they are ready for the change.

The first and the most important part of development of the driverless cars are to decide how they will be programmed, i.e. take decisions. These decisions must be based on ethics and morals that ensure the safety of masses. The most difficult part is to come up with universally agreeable morals and reasonings that everyone can agree with.



Figure 2. A modern day driverless car [10]

## I. TECHNOLOGICAL EVOLUTION