**ROBOTS: TODAY AND TOMORROW**

Gayatri Mukund Bait. Email: [gayu.b20@gmail.com](mailto:gayu.b20@gmail.com)

S. K. Somaiya College of Arts Science and Commerce

***Abstract:*** *This research paper studies about the robots in today’s world. The data required for this paper is gathered by the various articles and research papers. This articles also give the information about the use of robots is various fields and they also has some category. The robots can work more effectively than people. Moreover, they can work ass humans and learn the new things from surroundings.*

*Keywords: robot, Monarch Platform.*

1. **Introduction:**

With regards to present day long periods of robots, we have image of huge machines battle with Stairs and lopsided territory. Robotics may still seem far-off futuristic fantasy. Be that as it may, robots have been a piece of day by day life for quite a long while. The development of become during the 1950s and 1960s. In that time not all robots can walk and talk. But today robotics can be isolated into a few classifications. The principal classification of robots are includes machines that are customized to perform explicit assignments, but this machines do not really interact with the society. As like that the second category is Teleoperated robots are remotely controlled by human beings. And the most advanced robots are autonomous robots, they are preprogrammed to worked independently of human operators, they detect the changes in environment and learn as per that change and gives the best output.

**Use of Robots Today:**

* Most robots are used to perform labor tasks of humans. The car industrial facilities use robots to cut the amass parts
* Today researchers send robots to investigate the outside of moon or planets like blemishes, while a few robots go into space to fix space hardware.
* In therapeutic more current and increasingly solid careful robots are made in like,

1. The Preceyes Surgical System: Specialists must have relentless hands, particularly when managing sensitive regions, for example, eyes. The oxford has conducted the trial of this robot and these surgeries were successful.
2. The CorPath System: this robot in created for remote areas getting earnest restorative consideration, particularly with a deficiency of gifted specialists at the nearby emergency clinic In an ongoing case in India, a cardiovascular specialist played out a 15-minute methodology on a patient who was around 20 miles away. The doctor used this framework to embed a stent into the patient while working robot from far off and checking the advancement on a screen.
3. The Monarch Platform: the ruler robot is created by Auris wellbeing Inc, Monarch is a careful apply autonomy stage that consolidates adaptable apply autonomy, information science, and different innovations for helpful and demonstrative strategies.

* In social environment perform more social duties and interact with humans through sound and talking.

1. **Literature Review:**

* **Article by Ticara Gailliard:**

Apply autonomy might be far away from cutting edge dream, however robots have been a bit of regular day to day existence for a drawn-out period of time The Tech Museum of Innovation noticed that while the possibility of robots was around for an impressive time allotment, robots in modern world will fulfill a wide variety of tasks

* **Article by tomorrow’s World Today:**

With regards to present day robots, people might think about the bog and heavy machine that struggle with stairs and uneven. humanoids androids that they two legs share these difficulties to more noteworthy level.

**3.0The Economics of Robotics:**

* The first component to look why the new technologies are created, the obvious reason behind that is overlap between technologies capacity that presently exist and need for more efficient and cost-effective machines
* The wide implementation of a robotic economy will lead to a new economic and social features in which there will be victors and washouts.
* Another political and monetary pattern that will affect upon the new economy is a result of the globalized economy. Since economies are currently between associated as at no other time and, there are huge points of interest to the individuals who overcome a market early.

**Top 10 employment abilities required in 2020:**

|  |  |
| --- | --- |
| **Rank** | **Job Skills** |
|  | Multiple Problem Solving |
|  | Overcritical Thinking |
|  | Creativity |
|  | Human Resource Management |
|  | Systemization with others |
|  | Emotional Intelligence |
|  | Decision Making |
|  | Service Orientation |
|  | Consultation |
|  | Cognitive pliability Source |

Source: World Economic Forum (2018)

1. **Methodology:**

* The information is gained from the internet from various sites and articles.
* Some content of this research paper is also done by the help of some published papers.
* After reading the various articles about the current and future of robots

.

1. **Conclusion:**

All robots are created for some specific task and they perform various applications and services efficiently. The method use for creating humanoid is taken from human figure like the man face, hands, fingers and shape of models. In light of robots the work is done so viably and cost enough. the robots we can use for daily life as well as scientist has also develop medical machine which do their work neatly and todays robots develop with the assistance of artificial intelligence, so they learn by surrounding and give best outputs to the user.

1. **References:**
2. Ivanov, S. , Robonomics - principles, benefits, challenges, solutions. Yearbook of Varna University of Management , 10, 283-293 , issue (2017|).
3. Webster, C., & Ivanov “Robotics\_artificial\_intelligence\_and\_the.pdf”, the evolving nature of work. In George, B., & Paul, J. (Eds.). Business Transformation in Data Driven Societies, , issue(2019)
4. Imad Mahgoub & Jyotsna Dwivedi “Robotic Surgery - A Review on Recent advances in Surgical Robotic Systems”, Florida Conference on Recent Advances in Robotics , issue(2012).
5. Jerry James M. de la Torre “Humans + Humanoids”, Asian Journal for Postharvest and Mechanization , issue(2018)
6. Takayuki Kanda & Stephen J. Cowley “Friendly machines: interaction-oriented robots today and tomorrow”, Alternation ,issue 1,Jan2005
7. Nidhi Chaudhry & Shruti Sharma “A Review Study on Future Applicability of Snake Robots in India”, IOSR Journal of Computer Engineering (IOSR-JCE) ,issue (2015)
8. Cindy Manson “In Robots We Trust”, Association of Computing Machinery Transactions on Interactive Intelligent Systems (TiiS) , issue25 feb,2019