

## IT – Lecture 7

### ➤ *Reading Comprehension*

There are a number of **factors** that have contributed to the increased use of automation in the workplace. One is the continued advancement of technology, which have made it possible to automate more tasks than ever before. Another factor is the globalization of the economy.

The impact of automation on the job and labor market has been both positive and negative. On the positive side, automation has made many jobs easier and more **efficient**. It has also creating new opportunities for workers with the skills to **operate** and maintain automated equipment.

Advantages of automation also include higher production rates and increased productivity, more efficient use of materials, and better product quality. In addition, the workweeks for producing certain products is shorter. The time required to process a production order through a factory is generally **reduced** with automation.

Another benefit of automation is the reduction in the number of **average** hours worked per week by factory workers. In addition, automation provides **improved** safety for workers. Worker safety is an important reason for automating an industrial operation. Automated systems often remove workers from the workplace, thus **safeguarding** them against the hazards of the factory environment.

Furthermore, automated systems typically perform the manufacturing process with less variability than human workers, resulting in greater control and consistency of product quality.

### ➤ *Technical terms*

**Globalization:** it is the word used to describe the increased interdependence of the world's economies, cultures, and people, brought by trade in goods and services; technology; and flow of investment, people, and information.

**Worker safety/occupational health and safety (OHS) / or occupational safety and health (OSH):** providing a safe working environment for employees/workers by using safe equipment and safe procedures at the workplace to ensure worker safety and ensuring that the workplace is free from many hazards that would cause harm to their health.

### ➤ *Questions*

**1- How do you think automation helps in more efficient use of materials?**

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**2- Write the full word for the following acronym:**

**(OSH) or (OHS):** -----

### 3- Match the words with their synonyms:

<del>reduced</del>	<del>effective</del> / productive / powerful
<del>factors</del>	typical / regular
<del>efficient</del>	<del>run</del>
<del>operate</del>	<del>aspects / elements</del>
average	<del>decreased</del>
improved	<del>protecting</del>
<del>safeguarding</del>	better

### 4- True or false

- Automation created new job opportunities. (    )
- Development of technology increases automation. (    )
- Due to automation, workers have more safety problems and issues. (    )
- Automated systems enhance product quality. (    )
- Automated systems result in less working hours. (    )

### 5- Mention two advantages of automation

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### 6- Write antonyms for the following words

Consistency-----

Hazard-----

Positive-----

Possible-----

**7- How does automation improve worker safety?**

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**8- Find in the passage:**

Three spelling mistakes

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Three grammatical mistakes

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**9- Add a suitable title to the passage**

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**10- Find in the passage words that include suffixes:**

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**11- Add prefixes to the following words**

Efficient.....

New.....

Possible.....

Safety.....

➤ *Exercise*

**Change the following into questions**

1- This car was bought by him yesterday.

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2- The girl was delivered home by her father.

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3- The program is shown every day at 8:00 PM.

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4- The plants are being watered by Ali.

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5- These books were studied at our class.

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6- Rice is eaten at dinner.

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7- The story is being read by her now.

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