University of East London
Pioneering Futures Since 1898

Artificial Intelligence

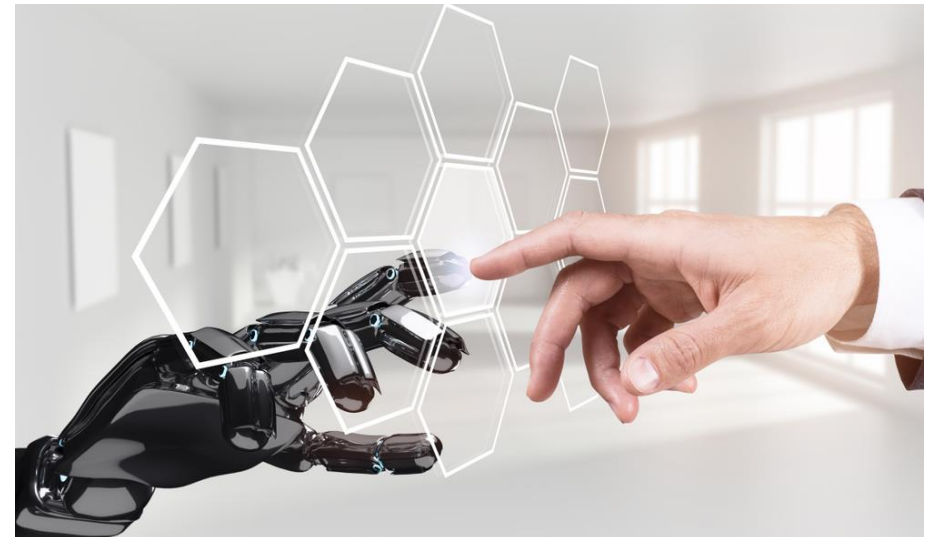*Shaping* the *Landscape* of **Future Careers**

Introducing Industry 5.0:

- What it is and how to make the most of the disruption it's bringing.....

Video link:- University of East London (uel.ac.uk)

Lauren.What.Final on Vimeo

Understanding Industry 5.0: Key Concepts

1. Automation:

- Automation means using technology to do tasks with less human involvement.

- It helps make work smoother, faster, and cuts down mistakes in repetitive jobs.

2. Machine Learning (ML):

- ML is a part of AI where machines learn from data to get better at tasks over time.

- It's used for things like guessing future trends, recognising patterns, and making decisions.

3. Artificial Intelligence (AI) Technologies:

- AI covers different tech that copies human thinking, like ML, understanding languages, and seeing things like humans do.

- Examples are chatbots, self-driving cars, and suggesting things you might like online.

Group Activity:-
Design your Dream job for Industry 5.0

TIME: 30 minutes

TASK:

1. Group Size: **Small groups of 5**

2. Choose an industry or a job role you would like to do: Each group to choose a specific industry (e.g., healthcare, education, retail) or job role.

3. Discuss in your groups; **how Ai, might transform that industry or job role in the future?**

4. Presentation: Each group to **share your insights to the class,** emphasising potential transformations and hurdles.

Group Activity – Job Profiles

- Digital Marketing, Advertising

- Healthcare

- Dentistry

- Creative Arts, Design, and Fashion

- Accounting, Banking, Finance

- Engineering and Manufacturing

- Business Consulting and Management

- Hospitality and Events

- Teaching and Education

- Information Technology

- Recruitment

*General job profiles of all sectors with entry requirements and responsibilities, click on: Browse job profiles by sector | Prospects.ac.uk

In Industry 5.0, success is a mix of traditional and new skills.

- **Adaptability:** With rapid technological advancements, being adaptable to new tools and processes is crucial.

- **Digital Literacy:** Proficiency in navigating digital platforms, understanding data analytics, and utilising digital tools is essential.

- **Critical Thinking:** Industry 5.0 demands the ability to analyse complex situations, identify problems, and develop innovative solutions.

- **Creativity:** Thinking outside the box and generating unique ideas are increasingly valuable in an era of constant innovation.

- **Collaboration:** Working effectively in cross-functional teams and leveraging diverse perspectives for collective success is vital.

- **Continuous Learning:** Being open to learning and upskilling in response to evolving technologies and industry demands is key.

- **Communication:** Strong communication skills, both verbal and written, are essential for conveying ideas, collaborating with others, and presenting solutions effectively.

- **Ethical Awareness:** With increased automation and AI, understanding ethical implications and making responsible decisions is crucial.

- **Resilience:** Industry 5.0 may bring disruptions and challenges; resilience helps individuals bounce back and adapt to changes effectively.

- **Entrepreneurial Mindset:** Having an entrepreneurial spirit, being proactive, and seeking opportunities for growth and innovation are valuable traits in Industry 5.0.

How Degrees are preparing students for Industry 5.0

Schools and colleges are updating their degree programs with several important elements, such as:

Integration of Advanced Technologies:

- Degrees now include training in AI, IoT, robotics, and big data analytics.

Interdisciplinary Approach:

- Focus on developing cross-disciplinary skills, integrating engineering, IT, and business management.

Emphasis on Soft Skills:

- Develop critical thinking, creativity, and problem-solving abilities.

Sustainability and Ethics:

- Instruction on sustainable practices and ethical considerations in the implementation of technology.

Hands-On Experience:

- Increased opportunities for internships, co-ops, and industry partnerships.

Collaboration and Teamwork:

- Training students to work effectively in diverse, multidisciplinary teams.

Emphasis on Innovation:

- Encouraging entrepreneurial thinking and innovation through projects and startups.

Here are what UEL experts are saying :

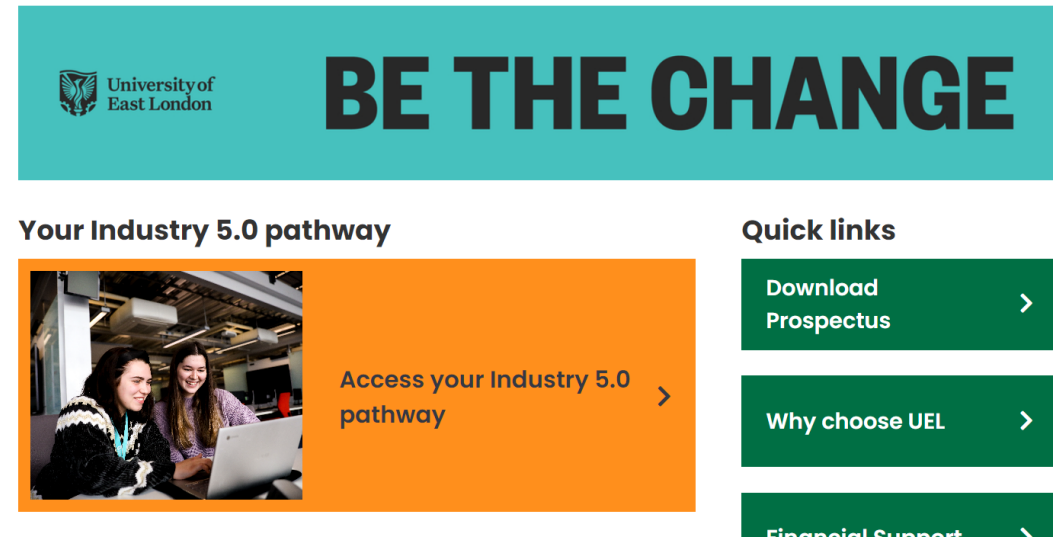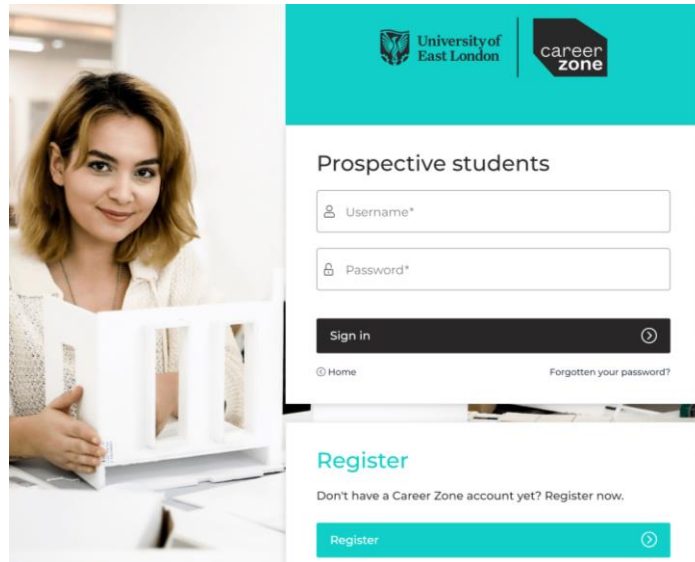- [University of East London (uel.ac.uk)](uel.ac.uk) (3mins)

Feedback session

Are you ready for Industry 5.0? How to prepare for tomorrow's world of work..

To access 'Future Careers' Pathway Course:

[East London Edge Programme - University of East London (uel.ac.uk)](uel.ac.uk)