

STADIO



HIGHER EDUCATION



The impact of Society 5.0 on curriculum development in Higher Education

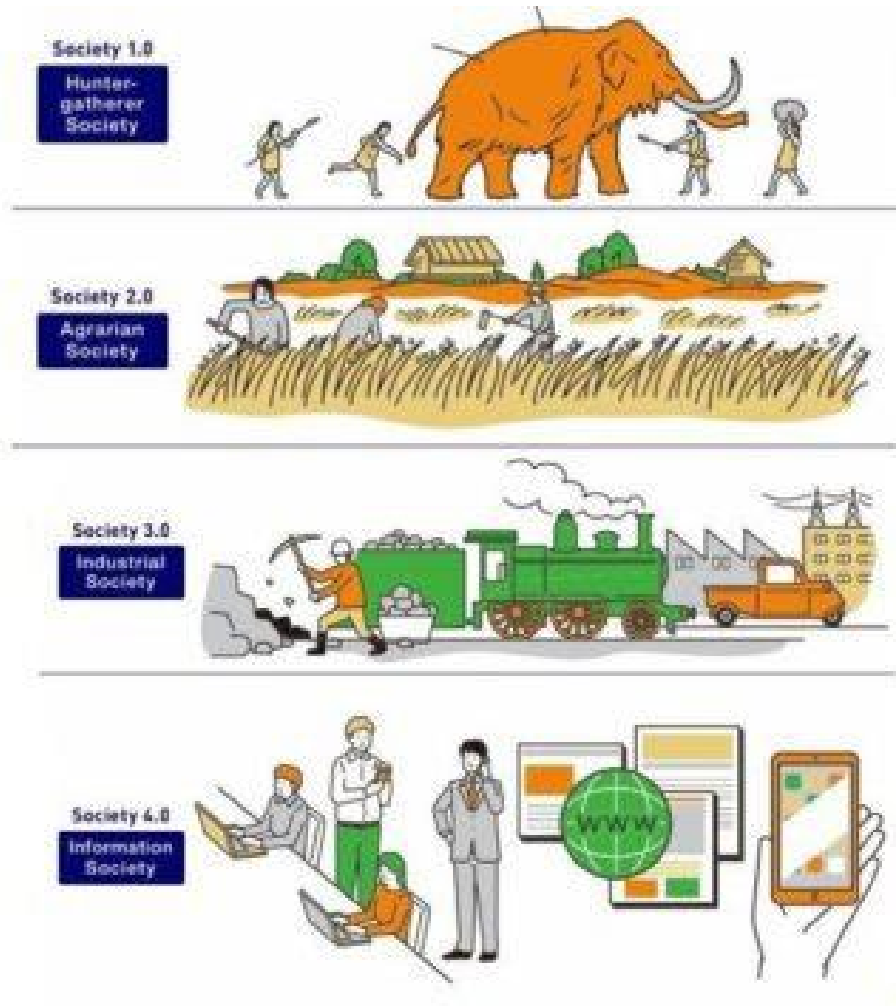
Society 5.0 is reshaping curriculum development in higher education by emphasising **technological literacy, interdisciplinary approaches, ethics and social implications, entrepreneurship, and lifelong learning**. These changes aim to prepare students for the challenges and opportunities presented by the rapid technological advancements in the society of the future.

Prof Carina de Villiers
Emeritus Professor, University of Pretoria
Head of School of Information Technology, STADIO

STADIO

HIGHER EDUCATION

What is Society 5.0?

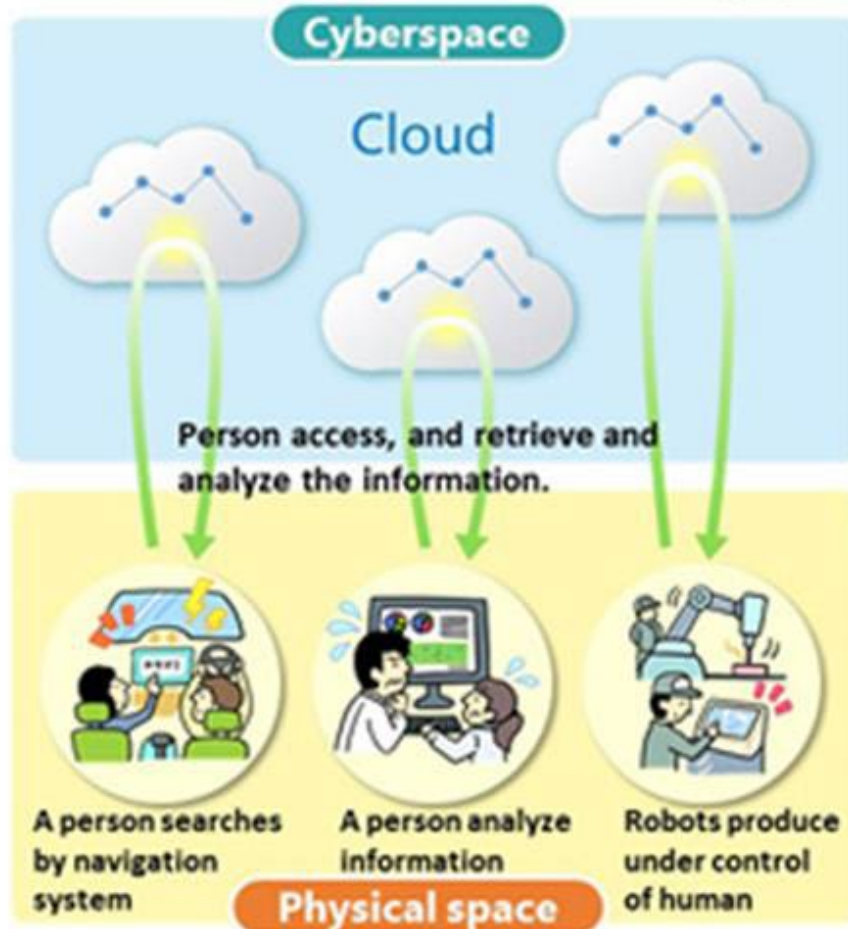


Realizing Society 5.0



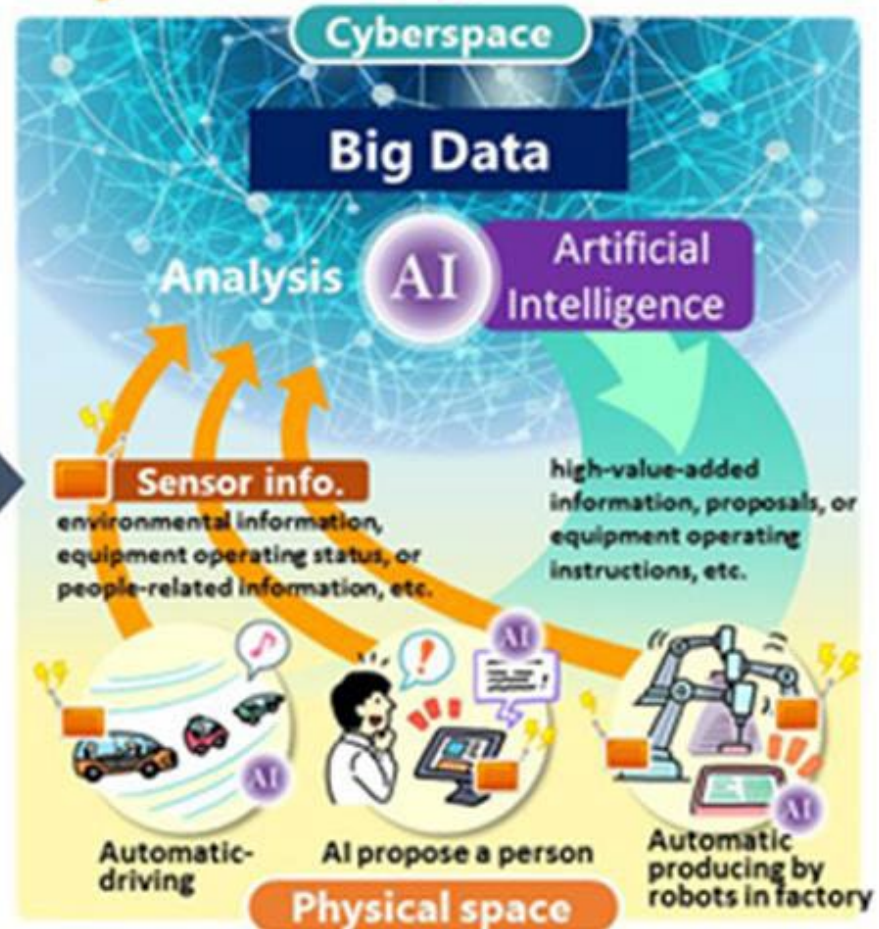
What is Society 5.0?

Current information society (4.0)



[source: CAO, Japan]

Society 5.0



Goals of Society 5.0

“creation of equal opportunities for all and also providing the environment for realization of each individual’s potential”

Society 5.0 will employ emerging technologies “to remove physical, administrative and social barriers to self-realization of the person”

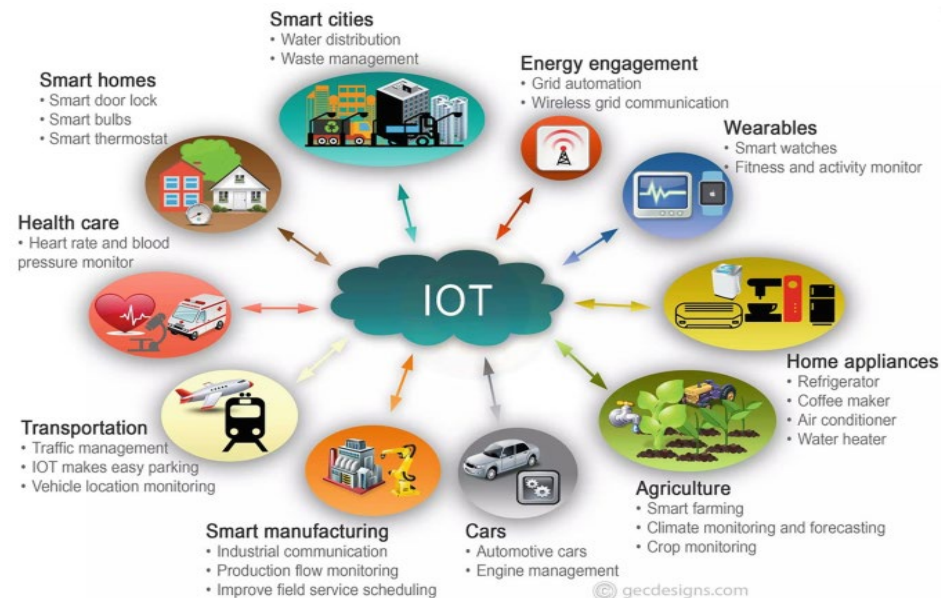
“Every individual including elderly people and women can live [a] safe and secured comfortable and healthy life and each and every individual can realize his/her desired lifestyle”

Human-technology interaction will be harnessed to “provide a sustainable, vibrant, livable people-centric world”



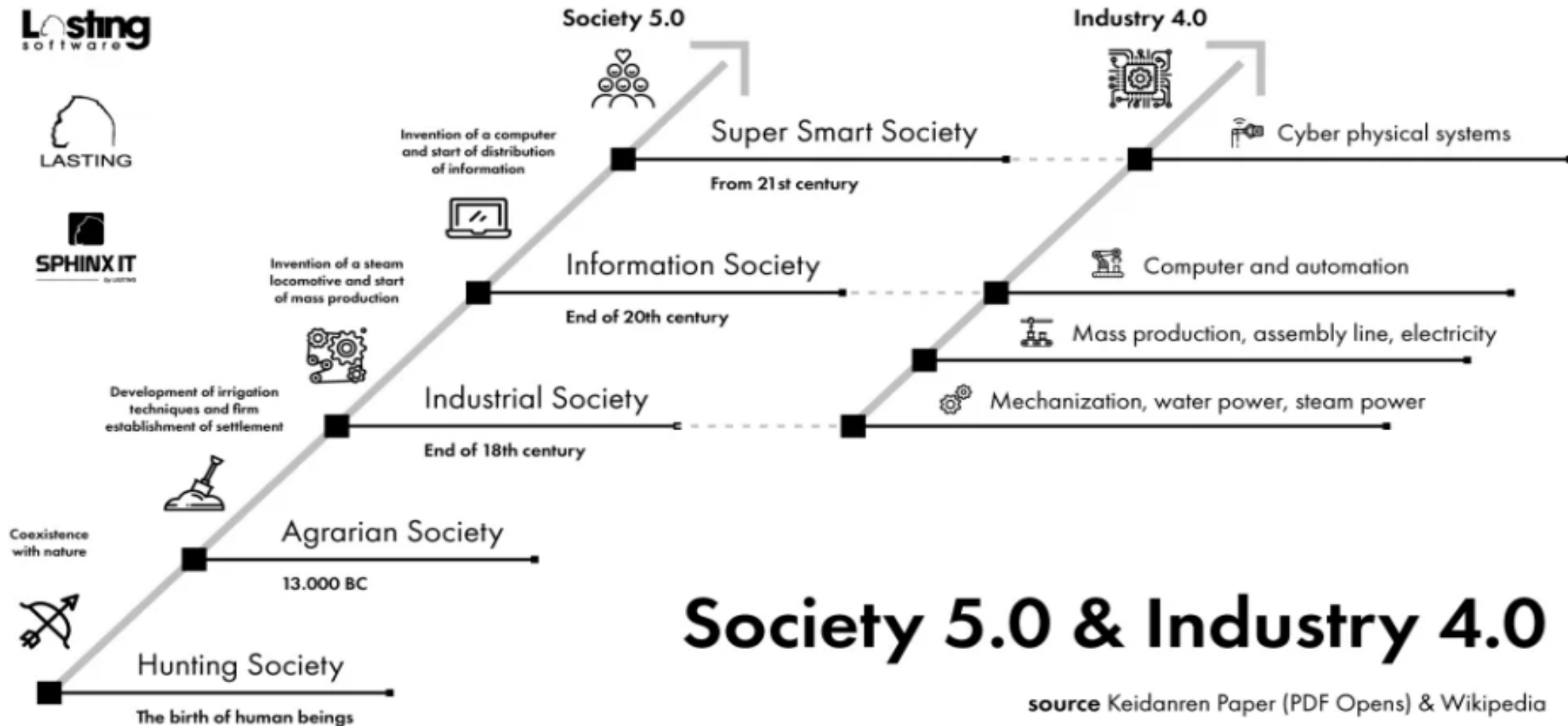
Key points of Society 5.0

1. Society 5.0 aims to increase the quality of human lives, not to increase the power of technology;
2. Smart services aim to increase the quality of human lives, not to increase the power of technology;
3. A service always involves an interaction among humans, and possibly non-humans;
4. We need to understand what human interaction with other humans and non-humans is to understand what smart services are;
5. Interaction is (equivalent to) the 'sharing' of information among participants / agents.



(a): Application Of IOT in modern age

Industry 4.0 (4th Industrial Revolution)



Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

The diagram illustrates the integration of technology and sustainability. At its core is 'Society 5.0 for SUSTAINABLE DEVELOPMENT GOALS'. This central theme branches out into 17 technological domains: Gov Tech, Fin Tech, Health Tech, REtech, Tour Tech, Auto Tech, Space Tech, Infra Tech, E-tech, Ed Tech, Home Tech, Fashion Tech, Entertainment Tech, Media Tech, Ad Tech, Retail Tech, Energy Tech, and Blockchain. These domains are further linked to the 17 UN Sustainable Development Goals (SDGs), each represented by a numbered icon. The connections are as follows:

- SDG 1 (No Poverty) connects to Health Tech, Fin Tech, and Gov Tech.
- SDG 2 (Zero Hunger) connects to Food Tech, Bio Tech, and Agri Tech.
- SDG 3 (Good Health and Well-being) connects to Health Tech, Bio Tech, and Agri Tech.
- SDG 4 (Quality Education) connects to Ed Tech, E-tech, and Cloud Tech.
- SDG 5 (Gender Equality) connects to E-tech, Ed Tech, and Cloud Tech.
- SDG 6 (Clean Water and Sanitation) connects to Water Tech, Bio Tech, and Agri Tech.
- SDG 7 (Affordable and Clean Energy) connects to Energy Tech, Bio Tech, and Agri Tech.
- SDG 8 (Decent Work and Economic Growth) connects to Health Tech, Fin Tech, and Gov Tech.
- SDG 9 (Industry, Innovation and Infrastructure) connects to Infra Tech, E-tech, and Cloud Tech.
- SDG 10 (Reduced Inequalities) connects to E-tech, Ed Tech, and Cloud Tech.
- SDG 11 (Sustainable Cities and Communities) connects to Smart City Tech, E-tech, and Cloud Tech.
- SDG 12 (Responsible Consumption and Production) connects to E-tech, Ed Tech, and Cloud Tech.
- SDG 13 (Climate Action) connects to Climate Tech, E-tech, and Cloud Tech.
- SDG 14 (Life Below Water) connects to Ocean Tech, Bio Tech, and Agri Tech.
- SDG 15 (Life on Land) connects to Land Tech, Bio Tech, and Agri Tech.
- SDG 16 (Peace, Justice and Strong Institutions) connects to Gov Tech, Fin Tech, and Health Tech.
- SDG 17 (Partnerships for the Goals) connects to all sectors.

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

The diagram illustrates the integration of various technologies and sectors to achieve the Sustainable Development Goals (SDGs) in Society 5.0. The central focus is 'Society 5.0 for SUSTAINABLE DEVELOPMENT GOALS'. Surrounding this are 17 segments, each representing an SDG, connected to a ring of technology and innovation sectors. The outer ring includes: 1. No Poverty, 2. Zero Hunger, 3. Good Health and Well-being, 4. Quality Education, 5. Gender Equality, 6. Clean Water and Sanitation, 7. Affordable and Clean Energy, 8. Decent Work and Economic Growth, 9. Industry, Innovation and Infrastructure, 10. Reduced Inequalities, 11. Sustainable Cities and Communities, 12. Responsible Consumption and Production, 13. Climate Action, 14. Life Below Water, 15. Life on Land, 16. Peace, Justice and Strong Institutions, and 17. Partnerships for the Goals. The inner ring of technology sectors includes: Gov Tech, Fin Tech, Health Tech, IoT, AI, Robot, Drone, Sensor, Startup, SME, Large enterprise, Citizen, Government, MR, Job Tech, Civic Tech, Legal Tech, Frontier Tech, Food Tech, Agri Tech, Edge, Cloud, E-mob Tech, Car Tech, Mobile, Health Tech, Precision Tech, Media Tech, Ad Tech, Retail Tech, Ene Tech, Fashion Tech, Home Tech, Smart Tech, Bio Tech, and Space Tech. The diagram illustrates the integration of these technologies to achieve the SDGs in Society 5.0.

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

The diagram illustrates the integration of Society 5.0 with the Sustainable Development Goals (SDGs). It features a central hub labeled "Society 5.0 for SUSTAINABLE DEVELOPMENT GOALS". Surrounding this hub is a circular arrangement of 17 segments, each representing a sector or technology area. These segments are further divided into sub-segments, such as "Gov Tech", "Fin Tech", "Health Tech", "RE Tech", "Tour Tech", "Auto Tech", "Space Tech", "Infra Tech", "Ed Tech", "Home Tech", "Fashion Tech", "Ene Tech", "Retail Tech", "Ad Tech", "Media Tech", "Game Tech", "Car Tech", "Cloud", "Edge", "Mobile", "Academic Institution", "On-demand", "Sharing", "PKI", "Blockchain", "Startup", "SME", "Large enterprise", "Citizen", "Government", "MR", "Job Tech", "Civic Tech", "Liquid Tech", "Food Tech", "VR", "Augmented Reality", "Smart City", "Smart Building", "Smart Infrastructure", "Smart Transportation", "Smart Energy", "Smart Environment", "Smart Agriculture", "Smart Industry", "Smart Services", "Smart Living", "Smart Mobility", "Smart Healthcare", "Smart Education", "Smart Governance", "Smart Security", "Smart Safety", "Smart Quality of Life", "Smart Well-being", "Smart Happiness", "Smart Prosperity", "Smart Wealth", "Smart Power", "Smart Influence", "Smart Prestige", "Smart Honor", "Smart Respect", "Smart Recognition", "Smart Appreciation", "Smart Gratitude", "Smart Love", "Smart Compassion", "Smart Kindness", "Smart Generosity", "Smart Altruism", "Smart Philanthropy", "Smart Social Responsibility", "Smart Corporate Citizenship", "Smart Global Citizenship", "Smart World Citizenship", "Smart Human Citizenship", "Smart Individual Citizenship", "Smart Personal Citizenship", "Smart Family Citizenship", "Smart Community Citizenship", "Smart National Citizenship", "Smart Regional Citizenship", "Smart Local Citizenship", "Smart Neighborhood Citizenship", "Smart Street Citizenship", "Smart Block Citizenship", "Smart District Citizenship", "Smart City Citizenship", "Smart Country Citizenship", "Smart Continent Citizenship", "Smart Planet Citizenship", "Smart Universe Citizenship".

[illegible]

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

The diagram illustrates the integration of Society 5.0 with the 17 Sustainable Development Goals (SDGs). At the center is the text "Society 5.0 for SUSTAINABLE DEVELOPMENT GOALS". Surrounding this central text is a circular arrangement of 17 segments, each representing an SDG. Each segment includes a number, a color-coded icon, and the goal's name. The goals are arranged clockwise from the top. The segments are connected by a network of lines, suggesting interlinking and synergy between the goals and the Society 5.0 framework. The background of the slide is blue with white text, and the diagram itself has a light blue and white color scheme.

Society 5.0 for SDGs

Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing

Creating smart cities where convenience, safety and economic efficiency are made compatible

Building global innovation ecosystems by connecting industries, academic institutions and other related stakeholders

Building resilient infrastructure and promoting sustainable industrialization by using i-Construction

Boosting food production by smart agriculture utilizing IoT, AI and Big Data
Improving nutritional status with smart food produced by cutting-edge biotechnology

Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data

Make high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies

Empowering women with access to education and information through the Internet
Providing women with opportunities for startups by utilizing ICT

Managing electric power supply and demand in a sustainable way by constructing smart grid systems

The diagram illustrates the integration of Society 5.0 with the 17 Sustainable Development Goals (SDGs). At the center is a circular hub labeled "Society 5.0 for SUSTAINABLE DEVELOPMENT GOALS". Surrounding this hub is a ring of 17 segments, each representing a sector or technology area: Gov Tech, Fin Tech, Health Tech, RE Tech, Tour Tech, Auto Tech, Space Tech, Infra Tech, Ed Tech, E-sport Tech, Home Tech, Fashion Tech, Entertainment Tech, Retail Tech, Ad Tech, Media Tech, Transportation Tech, Mobile, Cloud, Edge, Smart Tech, Car Tech, Light Tech, E-mobility Tech, Food Tech, VR, AR, MR, and XR. Outside this ring are 17 numbered boxes, each representing an SDG with its icon and a brief description:

- 1. NO POVERTY: Making high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies.
- 2. ZERO HUNGER: Boosting food production by smart agriculture utilizing IoT, AI and Big Data. Improving nutritional status with smart food produced by cutting-edge biotechnology.
- 3. GOOD HEALTH AND WELL-BEING: Developing early warning alert system for the prevention of infectious diseases by combining different types of monitoring data.
- 4. QUALITY EDUCATION: Making high quality education affordable for everyone on the earth with e-learning systems utilizing state-of-the-art technologies.
- 5. GENDER EQUALITY: Empowering women with access to education and information through the Internet. Providing women with opportunities for startups by utilizing ICT.
- 6. CLEAN WATER AND SANITATION: Managing electric power supply and demand in a sustainable way by constructing smart grid systems.
- 7. AFFORDABLE AND CLEAN ENERGY: Managing electric power supply and demand in a sustainable way by constructing smart grid systems.
- 8. DECENT WORK AND ECONOMIC GROWTH: Building resilient infrastructure and promoting sustainable industrialization by using i-Construction.
- 9. INDUSTRY, INNOVATION AND INFRASTRUCTURE: Building resilient infrastructure and promoting sustainable industrialization by using i-Construction.
- 10. REDUCED INEQUALITIES: Building resilient infrastructure and promoting sustainable industrialization by using i-Construction.
- 11. SUSTAINABLE CITIES AND COMMUNITIES: Creating smart cities where convenience, safety and economic efficiency are made compatible.
- 12. RESPONSIBLE CONSUMPTION AND PRODUCTION: Creating smart cities where convenience, safety and economic efficiency are made compatible.
- 13. CLIMATE ACTION: Resolving climate change issues with the simulation based on the analysis of meteorological and other observation data by using High Performance Computing.
- 14. LIFE BELOW WATER: Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.
- 15. LIFE ON LAND: Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.
- 16. PEACE, JUSTICE AND STRONG INSTITUTIONS: Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.
- 17. PARTNERSHIPS FOR THE GOALS: Using remote sensing and oceanographic data for monitoring and management of water quality, forests, land degradation, biodiversity, etc.

Challenges of Society 5.0

- Privacy and data security
- Digital divide
- Job displacement
- Ethical concerns
- Environmental impact
- Legal and regulatory challenges
- Security risks
- Cultural and societal adaptation
- Resource allocation
- Dependency on technology
- Health and wellbeing
- Cultural preservation

Addressing these challenges requires a multi-faceted approach involving governments, businesses, academia, and civil society. It involves careful planning, robust regulations, investment in education and training, and ongoing dialogue to ensure that Society 5.0 is a positive force for all members of society.

Challenges of Society 5.0 for education and higher education institutions

“As societies continue to change, education systems need to provide opportunities for learners to develop the knowledge, skills, attitudes, and values that enable them to realise their potential throughout their lives – from early childhood to old age“

"The concept of competency implies more than just the acquisition of knowledge and skills; it involves the mobilisation of knowledge, skills, attitudes and values to meet complex demands“

"How should soft skills be considered and how can they be a factor of (re)legitimisation of HEIs in a context of digitalisation, sustainability and interculturality?“

The OECD Project “*The Future of Education and Skills 2030*” sought answers to two broad, far-reaching questions:

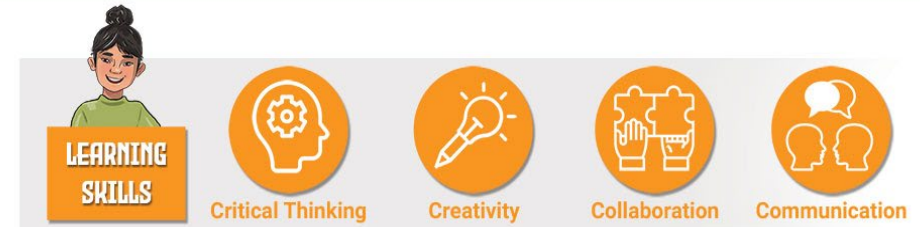
- What knowledge, skills, attitudes and values do today’s learners need to succeed and shape their world?
- How can institutional systems effectively develop these knowledge, skills, attitude and values?

Education embracing Society 5.0

21st Century human resource skills:

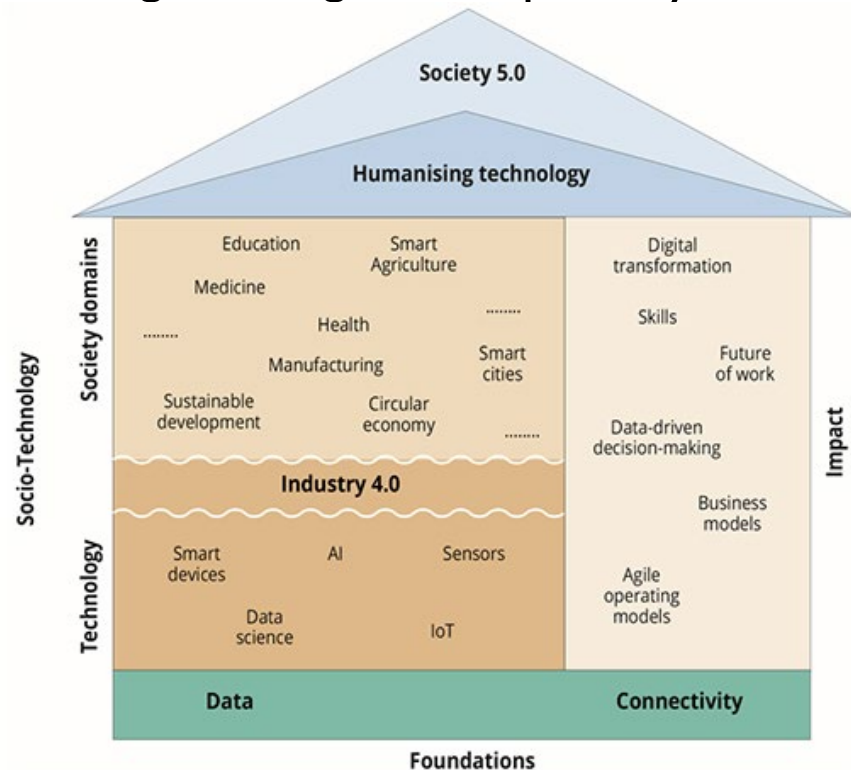
1. Ways of thinking, encompassing creativity and innovation, critical thinking, problem-solving, decision-making, learning to learn, and metacognition.
2. Ways of working, including communication and collaboration.
3. Tools for working, including information literacy and ICT literacy.
4. Living in the world, covering citizenship, life and career, personal and social responsibility, including cultural awareness and competence.

21ST CENTURY SKILLS



Impact of Society 5.0 on curriculum development

- Technological literacy
- Interdisciplinary approach
- Ethical and social implications
- Entrepreneurship and innovation
- Lifelong learning and adaptability



Core skills for workers in 2023

1. Analytical thinking
2. Creative thinking
3. Resilience, flexibility and agility
4. Motivation and self-awareness
5. Curiosity and lifelong learning
6. Technological literacy
7. Dependability and attention to detail
8. Empathy and active listening
9. Leadership and social influence
10. Quality control

World Economic Forum, Future of Jobs survey 2023

Examples of the impact of Society 5.0 on curriculum development

- Accounting
 1. Data Analytics and Big Data
 2. Advanced Technology Proficiency
 3. Cybersecurity and Data Privacy
 4. Blockchain and Cryptocurrency
 5. Ethical Considerations in Data Usage
 6. Global Accounting Standards
 7. Sustainability Accounting
 8. Interdisciplinary Skills
 9. Continuous Learning and Adaptation
 10. Communication and Presentation Skills
 11. Risk Management and Resilience
 12. Audit Automation
 13. Business Ethics
 14. Adaptive Leadership
 15. Regulatory Compliance
 16. Environmental, Social, and Governance Reporting

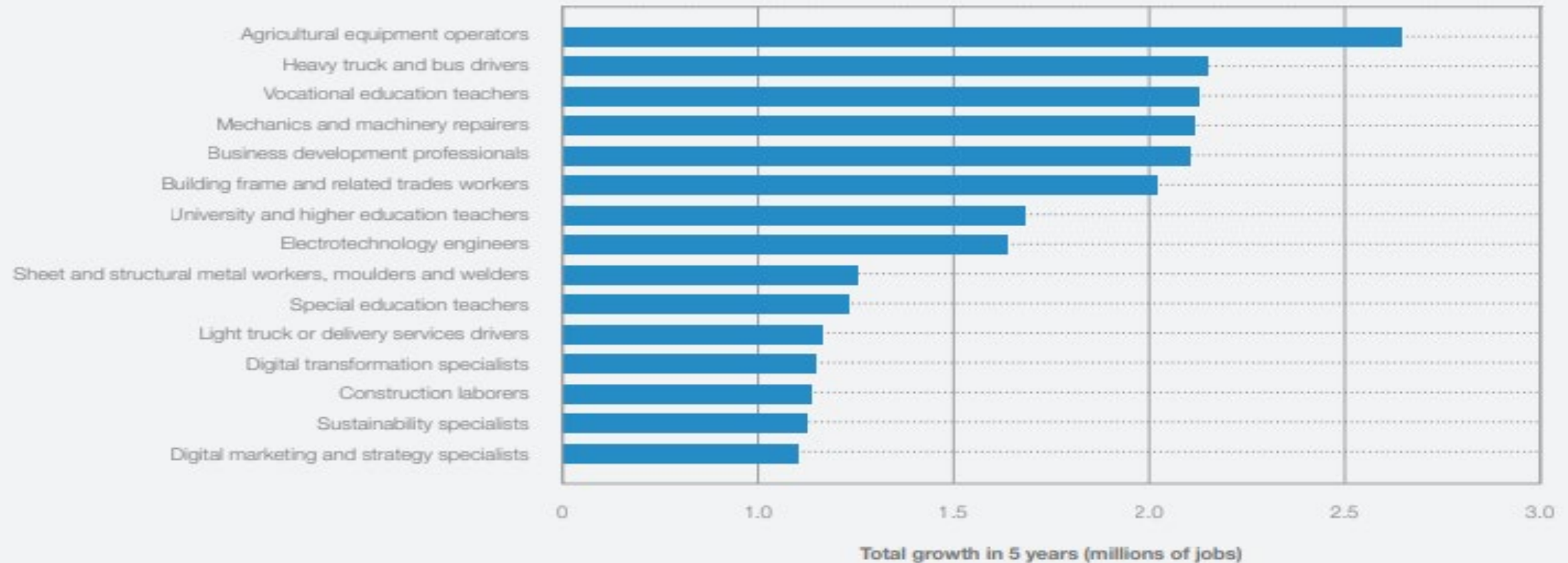


Largest Job growth

FIGURE 3.4

Largest job growth, millions

Top roles ordered by largest net job growth, calculated based on ILO Occupation Employment statistics and growth reported by organizations surveyed



Source

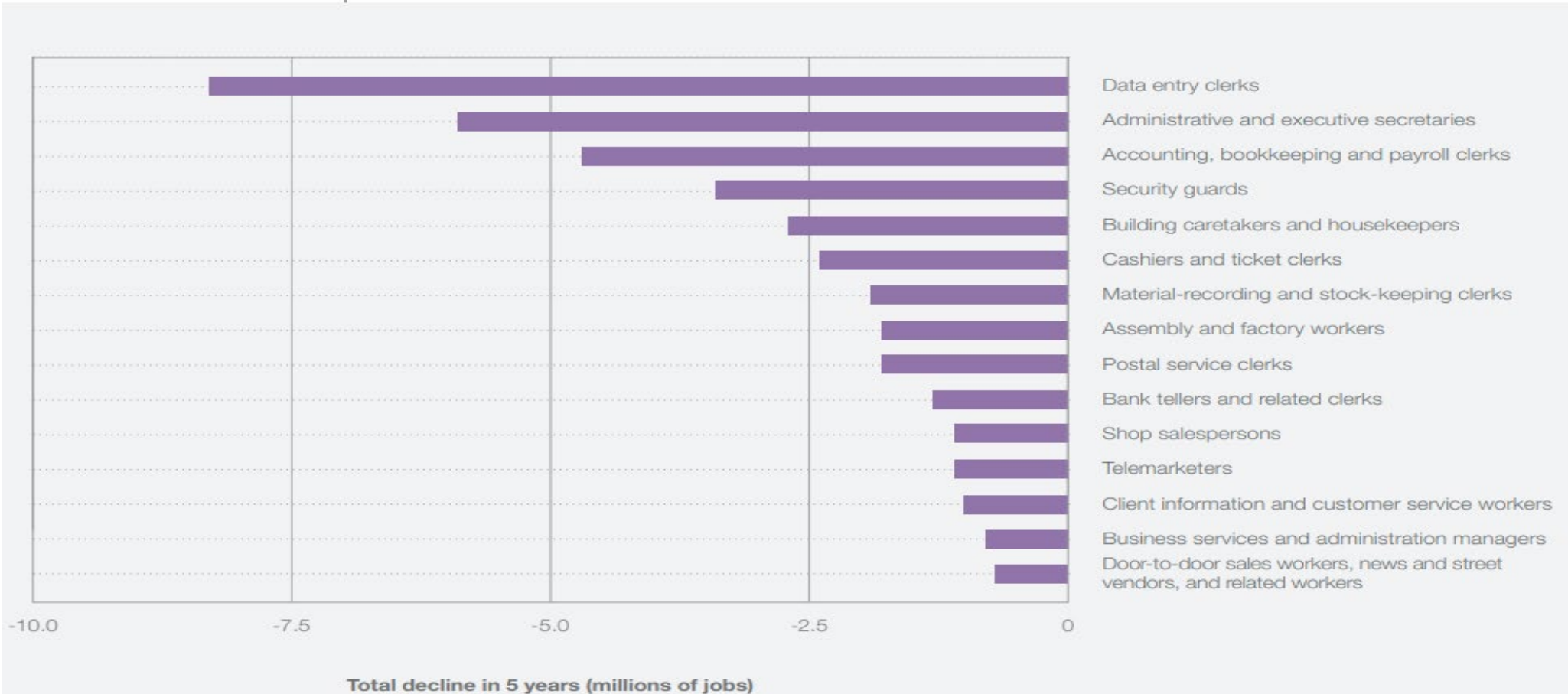
World Economic Forum, Future of Jobs Survey 2023.

Largest Job decline

FIGURE 3.5

Largest job decline, millions

Top roles ordered by the largest net jobs reduction, calculated based on ILO Occupation Employment statistics and growth reported by organizations surveyed



Source

World Economic Forum, Future of Jobs Survey 2023.

Examples of the impact of Society 5.0 on curriculum development

- Management Sciences
 1. Emphasis on Technology and Data Skills
 2. Ethical Considerations
 3. Interdisciplinary Education
 4. Digital Transformation Strategies
 5. Sustainability and Environmental Management
 6. Crisis Management and Resilience
 7. Cultural Competence
 8. Lifelong Learning
 9. Entrepreneurship and Innovation
 10. Human-Machine Collaboration
 11. Global Perspective
 12. Soft Skills



Examples of the impact of Society 5.0 on curriculum development

- Teacher training
 1. Digital Literacy and Technology Integration
 2. Pedagogy for Online and Blended Learning
 3. Data Literacy and Analytics
 4. Personalized Learning
 5. Critical Thinking and Problem-Solving
 6. Emphasis on Ethics and Digital Citizenship
 7. Cultural Competence
 8. Sustainability Education
 9. Social and Emotional Learning
 10. Interdisciplinary Approaches
 11. Lifelong Learning Skills
 12. Innovation and Creativity
 13. Community and Global Engagement
 14. Assessment Strategies
 15. Inclusive Education
 16. Mental Health and Well-being



© CanStockPhoto.com - csp5364232

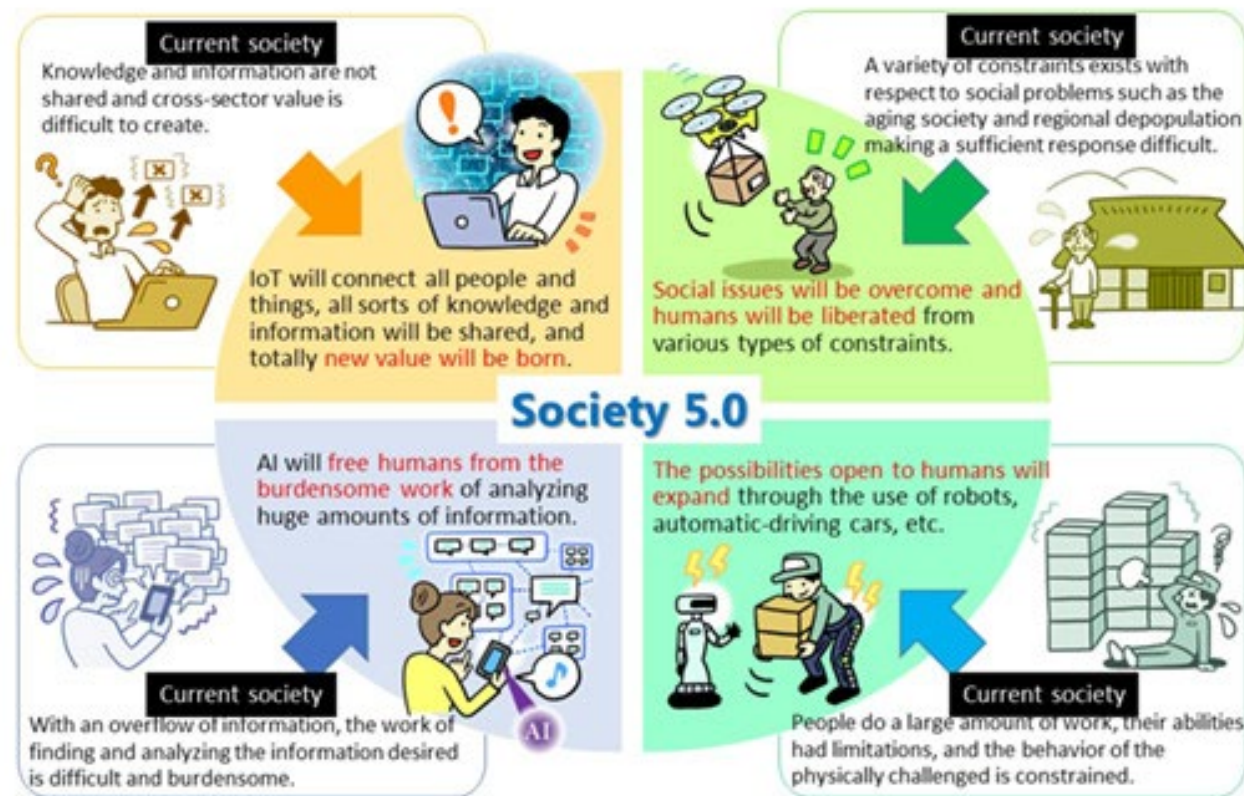
Examples of the impact of Society 5.0 on curriculum development

- Media and Design
 1. Digital Media Proficiency
 2. User Experience (UX) and User Interface (UI) Design
 3. Virtual and Augmented Reality (VR/AR)
 4. Data Visualization
 5. Ethical and Responsible Design
 6. AI and Automation Integration
 7. Content Creation for Emerging Platforms
 8. Transmedia Storytelling
 9. Cultural Sensitivity and Global Perspective
 10. Sustainability and Green Design
 11. Critical Media Literacy
 12. Interdisciplinary Collaboration
 13. Entrepreneurship and Business Skills
 14. Continuous Learning and Adaptation
 15. Legal and Copyright Knowledge
 16. Mental Health and Well-being Considerations



Concluding remarks

Society 5.0 is reshaping curriculum development in higher education by emphasising technological literacy, interdisciplinary approaches, ethics and social implications, entrepreneurship, and lifelong learning. These changes aim to prepare students for the challenges and opportunities presented by the rapid technological advancements in the society of the future.



STADIO



HIGHER EDUCATION

