Skills4cities Skill Cards

The Skills4cities Skill Cards describes the skills needed for Smart City Project Developer

UE Code	Unit Title	Element Title	learning Outcome code	Learning Outcome Description
U1.E1	Transversal Skills	Creative Thinking	SCPD.U1.E1.LO1	capable of developing, modifying or importing tailor-made solutions from de work environments for specific needs building upon the new technologies able on the market.
U1.E1	Transversal Skills	Creative Thinking	SCPD.U1.E1.LO2	Knowing when a new approach is required
U1.E1	Transversal Skills	Creative Thinking	SCPD.U1.E1.LO3	able to use “creative thinking” as a way of introducing and applying innovative practices
U1.E1	Transversal Skills	Creative Thinking	SCPD.U1.E1.LO4	Be able to understand data mining and its insights in relation to innovative applications (e.g., behavioural sciences etc.).
U1.E1	Transversal Skills	Creative Thinking	SCPD.U1.E1.LO5	ble to develop a powerful vision mindset by investing on how to take a smart city initiative with a long-term imprint
U1.E2	Transversal Skills	Familiarity with new technologies & ICT	SCPD.U1.E2.LO1	Having sufficient knowledge about technology servers as a basic skill in the nformation-based society, being able to share information in an ethical way.
U1.E2	Transversal Skills	Familiarity with new technologies & ICT	SCPD.U1.E2.LO2	Choose proper ICT tools for problem solving and effective work.
U1.E2	Transversal Skills	Familiarity with new Technologies & ICT	SCPD.U1.E2.LO3	able to formulate and map realistic, attainable and long term goals by applying digital-based and sustainable solutions
U1.E2	Transversal Skills	Familiarity with new Technologies & ICT	SCPD.U1.E2.LO4	Executing tasks remotely, using the most recent cloud and distance working arrangements for cooperation.
U1.E2	Transversal Skills	Familiarity with new Technologies & ICT	SCPD.U1.E2.LO5	able to adapt to digital technologies and use them in the framework of online projects from concept to completion
U1.E3	Transversal Skills	Innovative Thinking	SCPD.U1.E3.LO1	Know and distinguish innovative trends in terms of information and digital

				technologies'
U1.E3	Transversal Skills	Innovative Thinking	SCPD.U1.E3.LO2	able to come up with innovative and disruptive solutions capable of inspiring others in implementing his or her vision.
U1.E3	Transversal Skills	Innovative Thinking	SCPD.U1.E3.LO3	able to identify when a new approach is required, use design thinking approach to create new ideas and solutions or to improve something existing
U1.E3	Transversal Skills	Innovative Thinking	SCPD.U1.E3.LO4	able to develop a powerful vision mindset by investing on how to "take action" and "overcome obstacles"
U1.E3	Transversal Skills	Innovative Thinking	SCPD.U1.E3.LO5	e able to adapt ideas, knowledge (knowhow) into different cultural, political contexts or stages of development
U1.E4	Transversal Skills	City/ Urban Planning Policies	SCPD.U1.E4.LO1	able to know the basic disciplines for Geographic Analysis: GIS, Remote Sensing, Digital Cartography
U1.E4	Transversal Skills	City/ Urban Planning Policies	SCPD.U1.E4.LO2	Able to develop and analyze urban-level SWOT analysis.
U1.E4	Transversal Skills	City/ Urban Planning Policies	SCPD.U1.E4.LO3	derstanding of the interaction among the economy, transportation, health and human services, and land-use regulation.
U1.E4	Transversal Skills	City/ Urban Planning Policies	SCPD.U1.E4.LO4	wledge of urban spatial structure, the way in which cities work, plan making and project evaluation
U1.E4	Transversal Skills	City/ Urban Planning Policies	SCPD.U1.E4.LO5	able to acknowledge Urban Growth Theories in a way of explaining the internal demographic, spatial, and economic growth of cities
U1.E8	Transversal Skills	Intercultural Competences	SCPD.U1.E8.LO1	able to create an interculturalism and inclusive team which brings fosters the ng parts of each of its members while trying to turn weaknesses into strenghts
U1.E8	Transversal Skills	Intercultural Competences	SCPD.U1.E8.LO2	le to respond to others in a way that is descriptive, non-evaluative, and non-judgmental and recognizes cultural diversity and differences
U1.E10	Transversal Skills	Emotional Intelligence / Empathy	SCPD.U1.E10.LO1	Able to establish and maintain harmonious professional relationships by demonstrating respect for and sensitivity to others.
U1.E10	Transversal Skills	Emotional Intelligence / Empathy	SCPD.U1.E10.LO2	e able to apply emotional intelligence when managing a team: recognize and manage your emotions and the emotions of others
U1.E10	Transversal Skills	Emotional Intelligence / Empathy	SCPD.U1.E10.LO3	Be able to adapt changes and new realities and develop a growth feedback
U1.E14	Transversal Skills	Leadership and Conflict Management	SCPD.U1.E14.LO1	rstanding of group dynamics, communication techniques and successful ways to manage conflicts and work-induced stress.
U1.E14	Transversal Skills	Leadership and Conflict	SCPD.U1.E14.LO2	able to apply strong leadership and motivation skills which can lead to build a

		Management		successful team
U1.E14	Transversal Skills	Leadership and Conflict Management	SCPD.U1.E14.LO3	ability to overcome obstacles, to pitch in and keep the schedule on track within the team
U1.E16	Transversal Skills	Leadership and Conflict Management	SCPD.U1.E14.LO4	Be able to acknowledge and adapt to different leadership styles
U1.E16	Transversal Skills	Public communication	SCPD.U1.E16.LO1	ng language as a flexible tool to share and collect information, exchanging ideas and openly exploring a variety of perspectives adjusting style and content.
U1.E16	Transversal Skills	Public communication	SCPD.U1.E16.LO2	to communicate complex messages, adapting the message to the audience and fostering two way understanding
U2.E20	Disruptive Technologies	Internet of Things	SCPD.U2.E20.LO1	able to understand the communication process of IoT devices based on the most common connection protocols: Wi-Fi, Bluetooth, 4/G connection
U2.E20	Disruptive Technologies	Internet of Things	SCPD.U2.E20.LO2	ntegrating software and electronic components to connect and exchange data without human interaction.
U2.E20	Disruptive Technologies	Internet of Things	SCPD.U2.E20.LO3	nderstand the basic concept of IoT and having the ability of applying it into the smart city concept.
U2.E20	Disruptive Technologies	Internet of Things	SCPD.U2.E20.LO4	wledge of current applications of IoT in smart cities and the trends for potential new key areas of application.
U2.E22	Disruptive Technologies	Smart Sensors	SCPD.U2.E22.LO1	ledge of sensors: what they are, their purpose and their applications and how to install them
U2.E22	Disruptive Technologies	Smart Sensors	SCPD.U2.E22.LO2	e able to read, analyze and incorporate information gathered through sensors.
U2.E22	Disruptive Technologies	Smart Sensors	SCPD.U2.E22.LO3	ility to apply smart sensor technology to optimise existing processes, improve efficiency, and conduct continuous monitoring.
U3.E28	Smart City Project Domains	Economy, Trade and Industry	SCPD.U3.E28.LO1	ility to analyze and apply theoretical and conceptual knowledge in the field of economics and industry, incl. in micro- and macroeconomics, trend analysis, vestment climate analysis, value chains and international trade and production models.
U3.E28	Smart City Project Domains	Economy, Trade and Industry	SCPD.U3.E28.LO2	able to use tools for solving micro- and macro-economic problems, to manage urces, collect, analyse and interpret data and results from the areas of research, coming from applying economic criteria and choosing alternatives
U3.E28	Smart City Project Domains	Economy, Trade and Industry	SCPD.U3.E28.LO3	ty to apply specific knowledge and tools for strategic management and decision making.

U3.E28	Smart City Project Domains	Economy, Trade and Industry	SCPD.U3.E28.LO4	ble to analyze and apply specific economic and industry knowledge and tools for the management and decision making process.
U4.E36	Smart City Challenges	Technological Challenges	SCPD.U4.E36.LO1	Ability to work with Smart City platforms and tools.
U4.E36	Smart City Challenges	Technological Challenges	SCPD.U4.E36.LO2	Be able to use technological tools such as QR codes and geolocalization
U4.E36	Smart City Challenges	Technological Challenges	SCPD.U4.E36.LO3	Be able to create public digital services and synergies
U4.E36	Smart City Challenges	Technological Challenges	SCPD.U4.E36.LO4	Be able to apply technological solutions when needed
U4.E36	Smart City Challenges	Collaboration among Stakeholders and Governmental constraints	SCPD.U4.E38.LO1	Be able to communicate, cooperate, manage and engage with stakeholders
U4.E36	Smart City Challenges	Collaboration among Stakeholders and Governmental constraints	SCPD:U4.E38.LO2	ıg able to understand the background of a project and provide relevant input to stakeholders.
U4.E36	Smart City Challenges	Collaboration among Stakeholders and Governmental constraints	SCPD.U4.E38.LO3	ty to clearly present a complex and high-technological Smart City project/idea to a wider-audience
U4.E36	Smart City Challenges	Collaboration among Stakeholders and Governmental constraints	SCPD.U4.E38.LO4	ble create strong links and create a trustworthy and reliable network with multi-stakeholders