	Digital Competences						
Competence Development Fields	1. Professional Competences 4.0	2.	Media competences	3.	Application Know-how	4.	Basic ICT Know-how and Skills
A. To develop and implement annual teaching plan and to manage documents	 To identify technological and organizational changes in the mechatronics and electronics in the systemic way for the training course and to prepare them didactically. To evaluate the possibilities and risks of the digitalized work and business processes. To restructure networked process chains in learning To train by applying content of embedded systems, including their operating systems. To provide know-how on handling interactions with sensors, reading information and collecting of data. To train on handling the processes of robotics (robot and "cobot"), including know-how to program and control production robots in the different technological processes. To provide know how on the installation and exploitation of the internet of Things and CPS. 	2.2	To identify and assess digital key competences applied in the ICT media. To identify the media competences applied in the work, business and social contexts. To design and plan the installation of the media technologies in the school. To organize cooperation of learners in the digital learning environment. To organize knowledge management.	3.2. 3.3. 3.4. 3.5.	To install learning management systems. To install specialized social media To install professional software for learning To select and install the didactic instruments for cooperative learning To document the digital teaching plans for common (cooperative) usage. To handle software for management.	4.2	To install professionally Office software appliances. To configure and set-up learning management systems. To provide digital applications in the local are network
B. To plan and design learning processes	 To design the concept of digital process chain (4.0) in the teaching and learning process. To select digitalized learning and teaching scenarios that facilitate problem oriented and self-organized learning. To plan and execute interactive, virtual and individual learning phases. To organize the interdisciplinary cooperation in the learning process. 	2.2.	To select, install and evaluate the digital teaching and learning scenarios. To check the used media for accessibility/openness, problem solving and requirement level. To check on how the media facilitate development of decision making skills, abilities to cooperate and creativity.	3.1	To install the elements of digital learning scenarios and formats (Blended und Online-Learning)	4.2. 4.3. 4.4.	To integrate audio and vide data To prepare video-tutorials To prepare Digitalized Content To integrate the data from external and internal sources in the teaching. To consider copyright protection issues.
communicate, cooperate	 To select interactive media for learning and training. To present the information and data fior learners by using interactive media. To ensure the safety of personal and corporate data used in the training and work processes. 	2.1.	To execute timely and operative communication with the internal (school) and external addressees regardless their location and time.		To apply the digital communication instruments for the regular and remote teaching. To use electronic teaching diaries.		To evaluate the data of learning, teaching and work processes. To handle inquiries and feedback from the digitalize instruments.

D.	To analyze and	1.1. To shook media upage for ecounctional and learning relevance	2.1. To identify informally and non-	3.1. To plan and evaluate the formats	4.1. To collect, aggregate,
	evaluate	1.1. To check media usage for occupational and learning relevance.	formally acquired digital skills.	of individual and team activities.	analyze and evaluate data
	learning	1.2. To design reflection processes.1.3 To evaluate content, human and technical resources for media	2.2. To analyze students' media	3.2. To select and install the online	from learning processes
	process,	LISO .	literacy development.	tools for diagnostics and	(Learning Analytics)
	achievements	use.	2.3. To analyze and classify media	assessment of performance at	4.2. To adjust the performance
	and success of		technology in the course of	learning and work.	rating tools.
	learners		education.		4.3. To apply privacy and data
					security requirements