

Module title Industrial Internet of Things and Digital Health Ecosystems			
Module code Tbd.	Level Bachelor (B.Sc.)	ECTS credits 5	Duration 2 weeks block course + virtual lectures
Module instructor Dr. Rajeev Kanth, Savonia UAS, Finland	Lecture type Face-to-face and Online teaching	Prerequisite(s) tbd.	Grading Tbd.
<p>Objectives Student will have deep knowledge of the ecosystems related to Industrial Internet and Digital Health fields. Ecosystem means technological, business, development, market, product, social, sales, testing, stakeholders, companies and universities participation in operating the digital industry and digital social and health care sphere.</p> <p>Learning Outcomes</p> <ul style="list-style-type: none"> · To understand the basics of an Internet of Things in terms of Sensors, Embedded Systems, Connectivity and Networking · Students will have an understanding of ecosystems related to Industrial IoT · How Digital Health and the Internet of Things are connected together? · To become familiar with societal applications of IoT 			
<p>Course Contents: How the Internet of Things revolution will dramatically alter manufacturing, energy, agriculture, transportation and other industrial sectors of the economy. It will also fundamentally transform how people will work through new interactions between humans and machines. Dubbed the Industrial Internet (of Things), will bring along with new risks, to business and society. It will combine the global reach of the Internet with a new ability to directly control the physical world, including the machines, factories and infrastructure that define the modern landscape. How it will affect existing industries, value chains, business models and workforces.</p> <p>The Digital Health sector Ecosystem comprises of research, product development, innovation, companies, hospitals, research centers, manufacturers of the field. The public and the private sector of the digital health are included in Ecosystem.</p> <p>There are systems that pay for, coordinate and deliver care. There are also systems that help people self-manage a lifestyle goal or healthcare condition. Platforms provide the connected infrastructure that enables service providers and consumers to exchange value. Healthcare enterprises also need a rich and robust portfolio of digital partners to form their future business ecosystems.</p> <p>Ecosystems will extend beyond technology to connect the capabilities, expertise and services that touch healthcare organizations, consumers and clinicians. Healthcare organizations that take a leadership role in transformation realize that the strategic platform and ecosystem decisions they make today determine their future success</p>			
<p>Textbook/teaching material (for reference purposes) Course material from the instructor. Part of the material is e-learning material, Scientific Articles provided by the instructor</p>			

Note: this is not the official course descriptor according to the "Studien- und Prüfungsordnung" (SPO)