Course Syllabus for
Industry 4.0 PhD
(years 2022-23 /2023-24)

Course title	Fundamentals of Industrial Internet of Things
Scientific Discipline Sector	ING-INF/03
Hours of instruction	20 hours
CFU	2 CFU
Semester	(second semester second year)
Goal	The course will address the key technologies enabling the so-called Industrial Internet of Things.
Syllabus	Protocol architectures Internet protocols for embedded systems Fieldbuses
Bibliography	DANIEL MINOLI, BUILDING THE INTERNET OF THINGS WITH IPv6 AND MIPv6, 2013 John Wiley & Sons. Internet of Things A to Z, Technologies and Applications, Edited by Qusay F. Hassan, 2018 John Wiley & Sons. O. Hersent et al. The Internet of Things: Key Applications and Protocols, Wiley; 2nd ed, 2012. D. Uckelmann et al. Architecting the Internet of Things, Springer, 1° ed. 2011. Z. Shelby. 6LoWPAN: The Wireless Embedded Internet. Wiley; 1° ed. 2010. Slides and support material from lecturer.
Examination method	Final examination in class