COURSE DESCRIPTION FORM							
Course Code and Name	CENG493 INTRODUCTION TO DATA PRIVACY (TECH.ELECT.)						
Course Code and Ivame							
Course Semester	7						
Catalogue Data of the	<ol> <li>Security issues related to protecting sensitive personal and corporate information from disclosure</li> <li>The value of security and privacy regulations</li> <li>Policy and societal questions about the real-world impacts of data breaches or individuals and businesses and balancing interests between individuals government, and businesses</li> <li>Existing and proposed laws and regulations governing information security and privacy</li> <li>Emerging technologies that may impact security and privacy concerns</li> <li>Issues related to the development of corporate data security programs, policies and procedures that take into account the needs of all relevant parties</li> </ol>						
Course Textbooks	<ol> <li>Introduction to Privacy-Preserving Data Publishing: Concepts and Techniques, Hall/CRC, 2010.</li> <li>Data Privacy: Principles and Practice 1st Edition by Nataraj Venkataramanan, Ashwin Shriram, 2016.</li> </ol>						
Supplementary Textbooks	Practical Data Privacy, O'Re	eilly, 2023.					
Credit (ECTS)	6						
Prerequisites for the Course (Attendance Requirements)	There is no prerequisite or co-requisite for this course.						
Course Type	Technical Elective						
Language of Instruction	English						
Course Objectives	<ol> <li>Explaining the general history of data privacy concepts in the world and in Turkey</li> <li>Teaching the laws and regulations regarding information security in terms of both data protection and law enforcement</li> </ol>						
Course Learning Outcomes	<ol> <li>Examines legal, policy, and organizational issues and issues related to data privacy, security, and confidentiality.</li> <li>Teaches general data protection regulations and privacy principles.</li> </ol>						
Instruction Method (Face-to-face, Distance education etc.)	This course will only face-to-face training.						
Weekly Schedule of the Course	Week 1: The information life cycle Week 2: Personal data Week 3: Common privacy principles Week 4: Common privacy principles Week 5: Privacy considerations in the information life cycle Week 6: Privacy considerations in the information life cycle Week 7: Online threats and privacy issues Week 8: Specific requirements for the online environment Week 9: Privacy challenges in social media Week 10: EU General Data Protection Regulations Week 11: EU General Data Protection Regulations Week 12: Understanding cookies, beacons and other tracking technologies Week 13: Machine-readable privacy policy languages Week 14: Web browser privacy and security features						
Teaching Activities (The time spent for the activities listed here will determine the amount of credit required)	Weekly theoretical course hours: 3 Reading activities Internet search and library work Midterm and revision for midterm Final exam and revision for final exam						
Assessment Criteria	Number(s)         Weight (%)           Midterm exam         1         40           Assignment         4         20						

	Application 0			0						
	Project 0			0						
	Practice	0								
	Quiz 0			0						
	Final exam					4(				
	Total		6	100						
	Activity			Number of Weeks	Duration (Weekly Hour)		y	End of Semester Total Workload		
	Weekly theo	Weekly theoretical course hours		14	3			42		
	Weekly practical course hours		0		0		0			
	Reading activities		14	3			42			
	Internet search and library work		14	3			42			
Workload of the Course	Designing ar	Designing and implementing materials		0	0			0		
	Making a rep	Making a report		0	0			0		
	Preparing an	Preparing and making presentations		0	0			0		
	Midterm and	Midterm and revision for midterm		1	12			12		
	Final exam a	Final exam and revision for final		1		12		12		
	Total worklo							150		
	Total worklo	oad/ 25						6		
	Course Cred	it (ECTS)						6		
<b>Contribution Level</b>	No		Program Ou	itcomes		1	2	3	4	5
between Course				cs, science, basic	;					
Outcomes and Program Outcomes	1		engineering, computing, and computer					X		
Outcomes		engineering; ability to use this knowledge in								
			solving complex engineering problems.  Ability to define, formulate and analyze							
		complex engineering problems using basic								
	2	science, mathematics and engineering					x			
	_	knowledge and considering the UN					''			
		Sustainable Development Goals relevant to the problems addressed.								
		Ability to design creative solutions to								
		complex engineering problems; ability to design complex systems, processes, devices, software, algorithms or products to meet current and future requirements, considering								
	3						X			
		realistic constraints and conditions.								
		Ability to sel	Ability to select, use and develop appropriate							
		techniques, resources and modern engineering and informatics tools, including estimation and modeling, for the analysis and solution of complex engineering problems								
	4							x		
		while being aware of their limitations.								
		Ability to use	research m	ethods to examin	hods to examine					
		complex engineering problems or research topics in computer engineering, including								
	5	reviewing the literature, designing experiments, conducting experiments,				x				
						'`				
		collecting dat		g and interpreting						
		results.	f the a - CC	of one in a contract						
	6 practi- practi- econo withir Devel			of engineering						
		practices and the standards used in these practices on society, health and safety, economy, sustainability and environment								
		within the scope of the UN Sustainable								
			oment Goals; awareness of the							
		consequences of engineering solutions in the fields of information security and law.								
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	7	Acting in accordance with engineering professional principles and knowledge on ethical responsibility; awareness of acting impartially, without discrimination on any issue, and being inclusive of diversity.			
	8	Ability to work effectively individually and as a team member or leader in intradisciplinary and multidisciplinary teams (face-to-face, remote, or hybrid).			
	9	Ability to conduct effective verbal and written communication on technical issues in Turkish or English, prepare reports, make effective presentations and prepare software documentation, considering the various differences of the target audience (such as education, language, profession).			
	10	Knowledge of business practices such as project, risk and change management and economic feasibility analysis; awareness of entrepreneurship and innovation.			
	11	Lifelong learning skill that includes the ability to learn independently and continuously, to adapt to new and developing scientific practices and technologies, and to think inquisitively about technological changes.	x		
Lecturer(s) and Contact Information		Bilgehan Arslan n@gazi.edu.tr			