

ASSESSMENT MATRIX (From 1730)

Algorithmic Thinking	Introduction to Systems Engineering	Object Oriented Analysis and Design	Object Oriented Programming	Computer Programming	Systemic Thinking	Data Structures	Data Bases	Operating Systems	Communication and Networks	Information Systems	Programming Languages	Analysis of Algorithms	Intro. To Distributed Systems	Software Engineering	Informatics Management	Software Architecture	University Social project	Seminar on Research Methodology	Undergraduate Final Project
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(a)	An ability to apply knowledge of discrete and continuous mathematics, physics, probability, statistics and Systems Engineering concepts and methods in the design of IT systems and services.	1,00					2,00					3,00							
(b)	An ability to design protocols to test, evaluate and manage the quality of IT systems and services, and an ability to integrate, analyze and interpret data.				1,00		2,00		3,00					3,00					
(c)	An ability to design IT systems and services to solve problems and take advantage of opportunities in several contexts, to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.			1,00						2,00				3,00					3,00
(d)	An ability to function on multidisciplinary teams, having effective communication with team members, and coordinate and lead those teams.					1,00				2,00					3,00				
(e)	An ability to identify systems engineering problems and opportunities in several contexts; identify solution alternatives; define criteria for selecting solutions; and, formulate, plan and execute solutions using information technology.						1,00		2,00							3,00			
(f)	An understanding of professional and ethical responsibility, an attitude of service to society, and the willingness to act accordingly.		1,00												2,00		3,00		
(g)	An ability to communicate proposed solutions in an assertive manner in oral and written form, using appropriate tools; and, to listen and reflect in order to ensure effective communication in technical and non-technical environments.		1,00						2,00										3,00
(h)	A knowledge of the local and global context, in order to understand the impact of technology and IT solutions in a economic, environmental, and societal context.					1,00												2,00	3,00
(i)	A recognition of the need for, and an ability to engage in, life-long learning of new concepts, technologies and tools that promote personal and professional development.			1,00						2,00								3,00	
(j)	Stay informed of contemporary issues and relate this information to one's profession.					1,00									2,00		3,00		
(k)	An ability to select and apply the techniques, skills, and Systems Engineering modern tools necessary for engineering problem solving.			1,00				2,00					3,00			3,00			