



Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	Cryptography Network Security and Cyber Law	15CS61
COURSE OUTCOMES		
15CS61.1	Understand cryptography basics, algorithms and mathematical background for cryptography.	L2 Understand
15CS61.2	Analyze the important cryptographic algorithms.	L4 Analyze
15CS61.3	Understand key management issues and algorithms.	L2 Understand
15CS61.4	Understand security issues in Wireless LAN and web.	L2 Understand
15CS61.5	Understand cyber security and need of cyber Laws.	L2 Understand

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
15CS61.1	2	2	-	-	-	-	-	-	-	-	-	-	1	1	-
15CS61.2	2	2	-	1	-	-	-	-	-	-	-	1	2	2	-
15CS61.3	2	2	-	-	-	-	-	-	-	-	-	1	2	2	-
15CS61.4	2	1	-	-	-	-	-	-	-	-	-	1	2	2	-
15CS61.5	2	1	-	-	-	1	-	-	-	-	-	1	-	-	-
Avg. Mapping	2.0	1.6	-	1.0	-	1.0	-	-	-	-	-	1.0	1.8	1.8	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
15CS61.1	PO1	2	Moderately mapped as students can understand the concepts of modulus operation, encryption and decryption techniques in cryptography.
	PO2	2	Moderately mapped as students can compare and contrast alternative solutions to select the best encryption and decryption techniques.
	PSO1	1	Slightly mapped as students apply the concepts of cryptography to secure the application software.
	PSO2	1	Slightly mapped as students apply the concepts of cryptography to secure the system software such as operating systems, compilers and debuggers.
15CS61.2	PO1	2	Moderately mapped as students can apply mathematical models to secure applications against different types of attacks.
	PO2	2	Moderately mapped as students can compare and contrast alternative solutions to select the best encryption and decryption techniques.
	PO4	1	Slightly mapped as students can develop different cryptographic algorithms to secure applications against different types of attacks.
	PO12	1	Slightly mapped as students can use the concepts of cryptography in application and system software.
	PSO1	2	Moderately mapped as students apply the concepts of cryptography to secure the application software.
	PSO2	2	Moderately mapped as students apply the concepts of cryptography to secure the system software such as operating systems, compilers and debuggers.
15CS61.3	PO1	2	Moderately mapped as students can understand the concepts public, private keys, symmetric and asymmetric keys.
	PO2	2	Moderately mapped as students can apply mathematical models to public, private keys, symmetric and asymmetric keys.
	PO12	1	Slightly mapped as students can use the concepts of keys in encryption and decryption algorithms.
	PSO1	2	Moderately mapped as students apply the concepts of cryptography to secure the application software.
	PSO2	2	Moderately mapped as students apply the concepts of cryptography to secure the system software such as operating systems, compilers and debuggers.

15CS61.4	PO1	2	Moderately mapped as students can identify different security issues in wireless LAN and web applications.
	PO2	1	Slightly mapped as students can compare and contrast alternative solutions to secure wireless LAN and web applications.
	PO12	1	Slightly mapped as students can use the concepts of cryptography in securing web applications.
	PSO1	2	Moderately mapped as students apply the concepts cryptography to secure the application software.
	PSO2	2	Moderately mapped as students apply the concepts cryptography to secure the system software such as operating systems, compilers and debuggers.
15CS61.5	PO1	2	Moderately mapped as students can use the concepts of cryptography in framing cyber laws.
	PO2	1	Slightly mapped as students can compare and contrast alternative solutions to develop cyber security.
	PO6	1	Slightly mapped as students can understand the cyber laws and IT act for protecting public.
	PO12	1	Slightly mapped as students can use the concepts of cryptography in cyber security.

Prepared by

HoD

Mary Vidya John/ Veena G

Dr. M. Ramakrishna