Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	Computer Network Laboratory	18CSL57
COURSE OUTCOMES:		
CO No.	**On completion of this course, students will be able to:**	**Cognitive Level**
18CSL57.1	Evaluate the performance of Ethernet LAN and Wireless LAN through simulation.	L5
18CSL57.2	Evaluate the performance of GSM and CDMA model through simulation.	L5
18CSL57.3	Develop java programs for CRC and RSA algorithms.	L3
18CSL57.4	Develop java programs for Bellman-ford and leaky bucket algorithms, socket programming using TCP and UDP.	L3

CO-PO-PSO MAPPING

CO No.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
18CSL57.1	1	2	-	-	1	-	-	-	-	-	-	1	-	-	2
18CSL57.2	1	2	-	-	1	-	-	-	-	-	-	1	-	-	2
18CSL57.3	1	1	-	-	1	-	-	-	-	-	-	1	-	-	2
18CSL57.4	1	1	-	-	1	-	-	-	-	-	-	1	-	-	2
Avg. Mapping	**1.0**	**1.5**	**-**	-	**1.0**	**-**	**-**	**-**	**-**	**-**	**-**	**1.0**	**-**	**-**	**2.0**

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
18CSL57.1	PO1	1	Slightly mapped as students will be able to simulate wired and wireless networks.
	PO2	2	Moderately mapped as students can evaluate the performance of wired and wireless networks by varying the network parameters.
	PO5	1	Slightly mapped as students will be able to use the NS2 simulator for the simulation of wired and wireless networks.
	PO12	1	Slightly mapped as students can use the concepts of simulation in continuing professional development.
	PSO3	2	Moderately mapped as students can apply the simulation of wired and wireless networks for the design computer networks.
18CSL57.2	PO1	1	Slightly mapped as students will be able to simulate the mobile communication technologies, GSM and CDMA.
	PO2	2	Moderately mapped as students can evaluate the performance of GSM and CDMA technologies by varying the network parameters.
	PO5	1	Slightly mapped as students will be able to use the NS2 simulator for the simulation of GSM and CDMA technologies.
	PO12	1	Slightly mapped as students can use the concepts of GSM and CDMA technologies in continuing professional development.
	PSO3	2	Moderately mapped as students can apply the simulation of GSM and CDMA technologies for the design mobile networks.
18CSL57.3	PO1	1	Slightly mapped as students will be able to implement CRC and RSA algorithms.
	PO2	1	Slightly mapped as students can use mathematical algorithmic knowledge to analyze CRC and RSA algorithms.
	PO5	1	Slightly mapped as students will be able to use Eclipse IDE for the implementation of CRC and RSA algorithms.
	PO12	1	Slightly mapped as students can use the concepts of data link layer and transport layer protocols in continuing professional development.
	PSO3	2	Moderately mapped as students can apply the RSA algorithm for implementing security for a real time application.
18CSL57.4	PO1	1	Slightly mapped as students will be able to understand socket programming and can implement Bellman-ford and leaky bucket algorithms.
	PO2	1	Slightly mapped as students can analyze the working of Bellman-ford and leaky bucket algorithms.

	PO5	1	Slightly mapped as students will be able to use Eclipse IDE for the implementation of TCP, UDP, Bellman-ford and leaky bucket algorithms.
	PO12	1	Slightly mapped as students can use the concepts of network layer and transport layer protocols in continuing professional development.
	PSO3	2	Moderately mapped as students can apply the socket programming concepts for the development of network applications.

Prepared by **HoD**

J Brundha Elci / Noor Basha **Dr.M.Ramakrishna**