Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	DATA COMMUNICATION	15CS46
COURSE OUTCOMES:		
CO No.	**On completion of this course, students will be able to:**	**Cognitive Level**
15CS46.1	Understand the importance of data communication, the Layered architecture of Open System Interconnection (OSI) and Transmission Control Protocol / Internet Protocol (TCP/IP) models.	L2 Understand
15CS46.2	Apply the conversion mechanisms for converting signals from Digital to Digital, Analog to Digital & Digital to Analog conversion.	L3 Apply
15CS46.3	Analyze Error detection and correction techniques, Flow control & error control.	L4 Analyze
15CS46.4	Understand operations of Channelization protocols, Random Access protocols and Wired & Wireless LAN and Data Link Control services.	L2 Understand
15CS46.5	Understand the working of 802.11, Cellular Telephony, Bluetooth, IPv4 and IPv6 Addresses.	L2 Understand

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2	PSO 3
15CS46.1	1	1	-	-	-	-	-	-	-	-	-	2	-	-	2
15CS46.2	1	2	-	-	-	-	-	-	-	-	-	2	-	-	2
15CS46.3	2	2	-	-	-	-	-	-	-	-	-	2	-	-	2
15CS46.4	1	1	-	-	-	-	-	-	-	-	-	2	-	-	2
15CS46.5	1	1	-	-	-	-	-	-	-	-	-	2	-	-	2
Avg. Mapping	**1.2**	**1.4**	-	**-**	**-**	-	**-**	**-**	**-**	**-**	**-**	**2.0**	**-**	**-**	**2.0**

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
15CS46.1	PO1	1	Slightly mapped as students will be able to understand basics of data communication and protocol layering.
	PO2	1	Slightly mapped as students will be able to analyze protocol layering and various network topology.
	PO12	2	Moderately mapped as students will be able to apply the concepts of data communication in various computer network applications.
	PSO3	2	Moderately mapped as students will be able to understand the computer network concepts such as protocol layering.
15CS46.2	PO1	1	Slightly mapped as students will be able to understand signal conversions.
	PO2	2	Moderately mapped as students will be able to analyze various methods for signal conversions.
	PO12	2	Moderately mapped as students will be able to apply the concepts of data communication in various computer network applications.
	PSO3	2	Moderately mapped as students will be able to understand the signal conversions.
15CS46.3	PO1	2	Moderately mapped as students will be able to understand error detection and error correction.
	PO2	2	Moderately mapped as students will be able to analyze various error correction and detection methods such as CRC, checksum etc.
	PO12	2	Moderately mapped as students will be able to apply the concepts of data communication in various computer network applications.
	PSO3	2	Moderately mapped as students will be able to understand the error detection and correction techniques.
15CS46.4	PO1	1	Slightly mapped as students will be able to understand channelization protocols.
	PO2	1	Slightly mapped as students will be able to analyze various channelization protocols.
	PO12	2	Moderately mapped as students will be able to apply the concepts of data communication in various computer network applications.
	PSO3	2	Moderately mapped as students will be able to understand the Channelization protocols.
15CS46.5	PO1	1	Slightly mapped as students will be able to understand working of internet protocols.
	PO2	1	Slightly mapped as students will be able to analyze internet protocols.

	PO12	2	Moderately mapped as students will be able to apply the concepts of data communication in various computer network applications.
	PSO3	2	Moderately mapped as students will be able to understand the Internet protocols.

Prepared by **HoD**

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