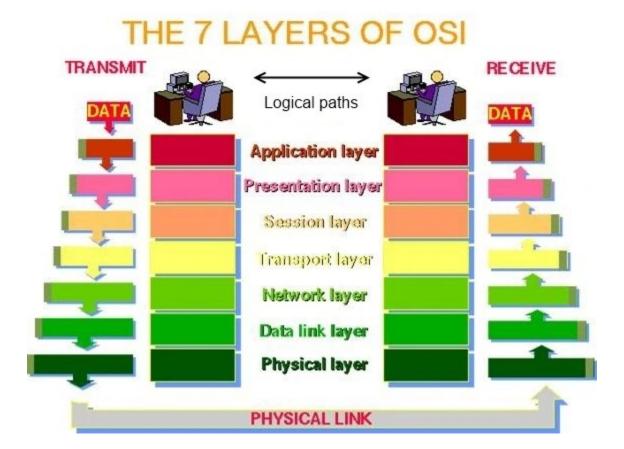
PRACTICAL - 3

DATE: , Wednesday

AIM: To compare OSI and TCP/IP protocol model

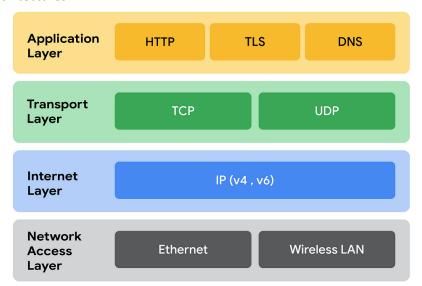
OSI model

➤ The OSI (Open Systems Interconnection) model categorizes the functions of communication systems into seven layers, each addressing specific tasks to facilitate interoperability and structured network design.



• TCP/IP Model

The TCP/IP (Transmission Control Protocol/Internet Protocol) model is a foundational networking framework that combines functionalities into four layers: Application, Transport, Internet, and Link. It serves as the basis for communication over the Internet, facilitating data transmission and ensuring compatibility across diverse network architectures.



Aspect	OSI Model	TCP/IP Model
Layers	Consists of seven layers: Physical, Data Link,	Combines functions into four
	Network, Transport, Session, Presentation,	layers: Application, Transport,
	Application.	Internet, Link.
Development	Developed by ISO (International Organization for	Developed by ARPANET
	Standardization).	(Advanced Research Projects
		Agency Network) and later
		standardized by IETF (Internet
		Engineering Task Force).
Standardization	A conceptual model, not a protocol suite.	Both a model and protocol suite
		widely used in networking.
Flexibility	More flexible and modular, allowing for broader	More streamlined and directly
	application across different network architectures.	applicable to Internet
		networking.
Interoperability	Provides a structured approach to ensure	Emphasizes interoperability
	interoperability between different vendor systems.	across heterogeneous networks
		and systems.

Date of Submission:	Sign:	
	Mr. Jigar Patel	