



SNS COLLEGE OF TECHNOLOGY

Coimbatore-37.

An Autonomous Institution



COURSE CODE & NAME : 23CSB302 & COMPUTER NETWORKS

Topic: Protocols and Standards

Ms. JACQUELIN ANUSHYA P

Assistant Professor

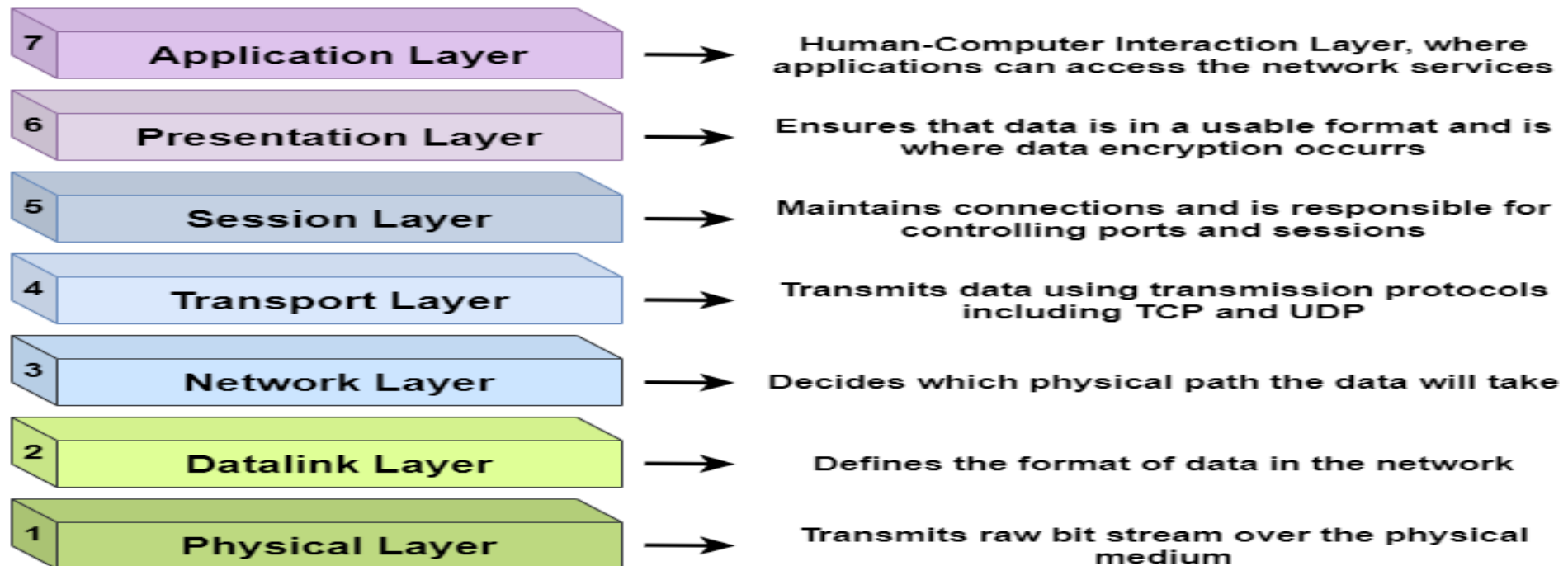
Department of Computer Science and Engineering

23CSB302 & COMPUTER NETWORKS/ CSE/SNSCT



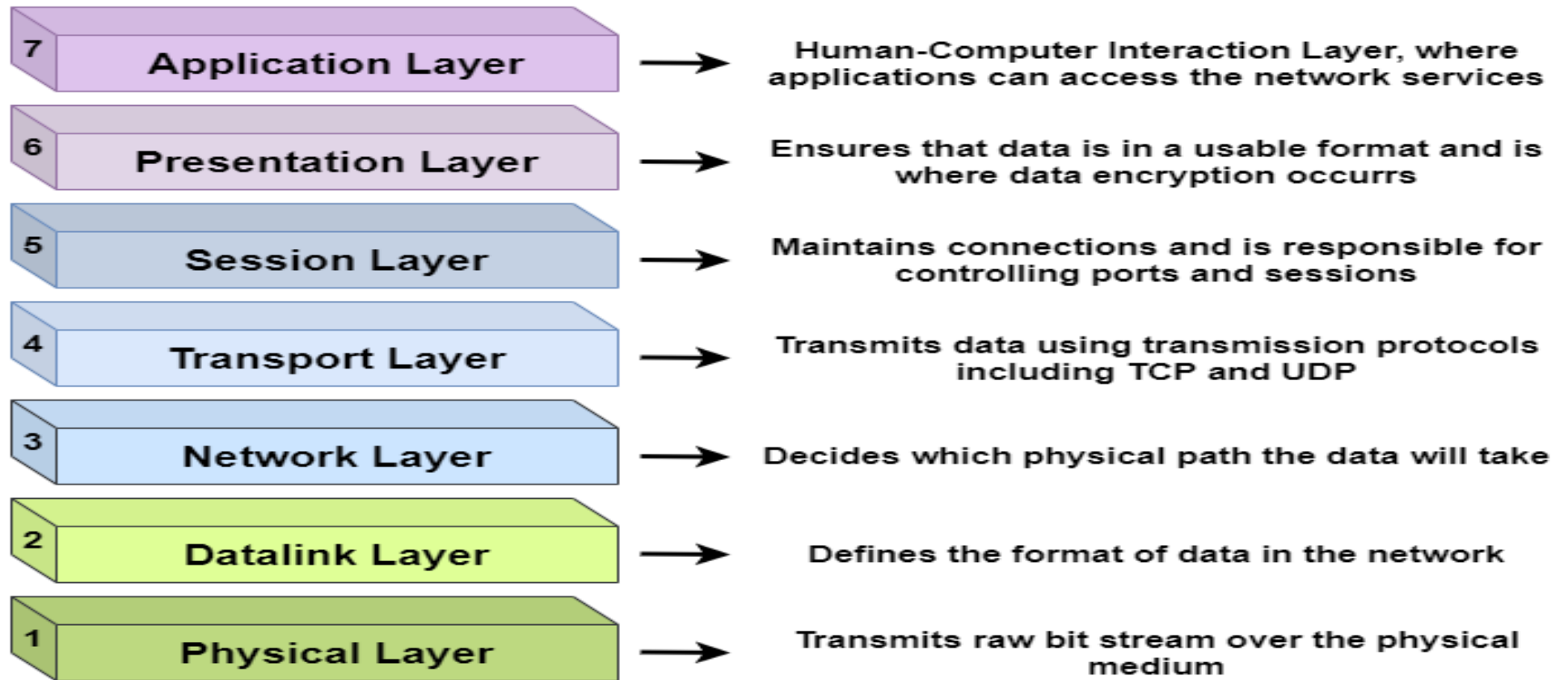
Protocols and Standards

- Open Systems Interconnection – 7 Layers



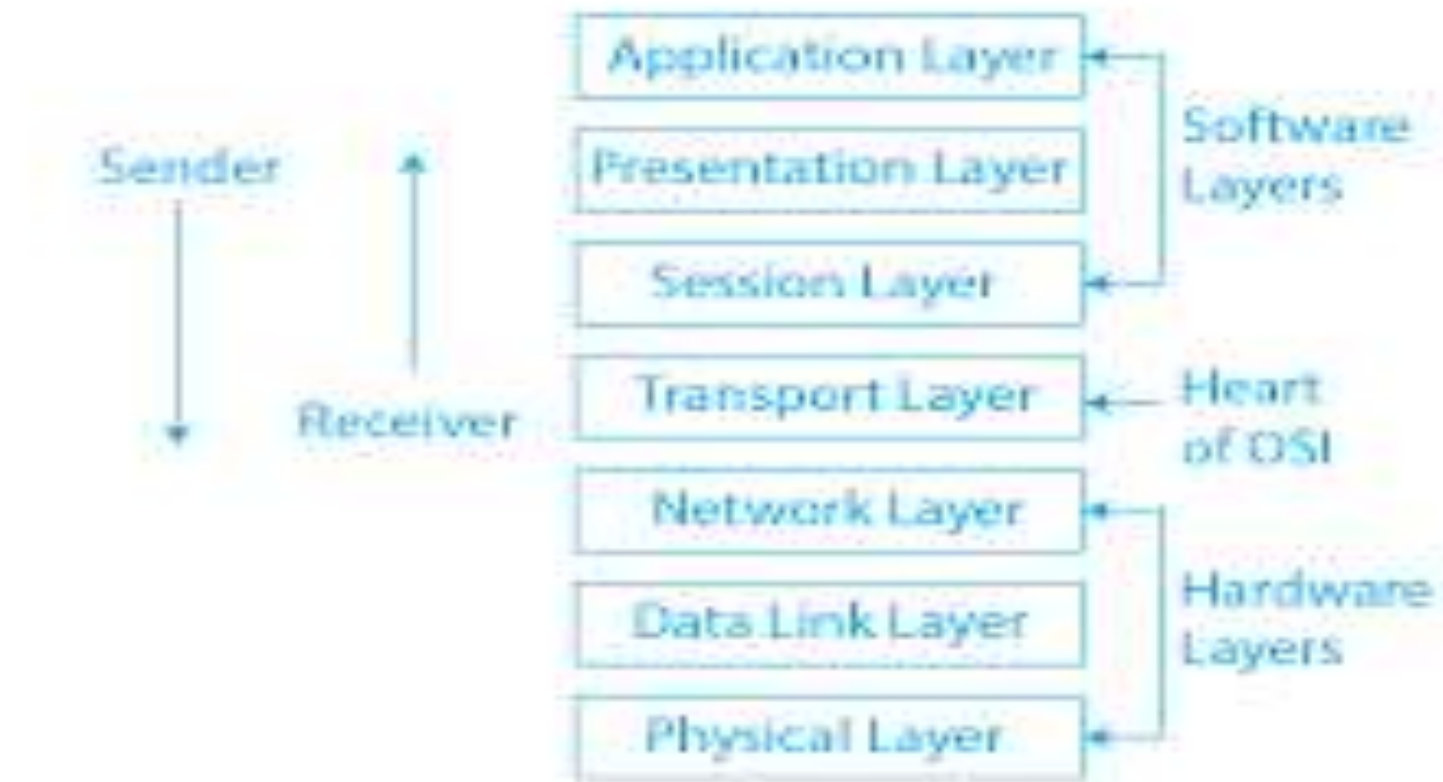


Protocols and Standards





Protocols and Standards





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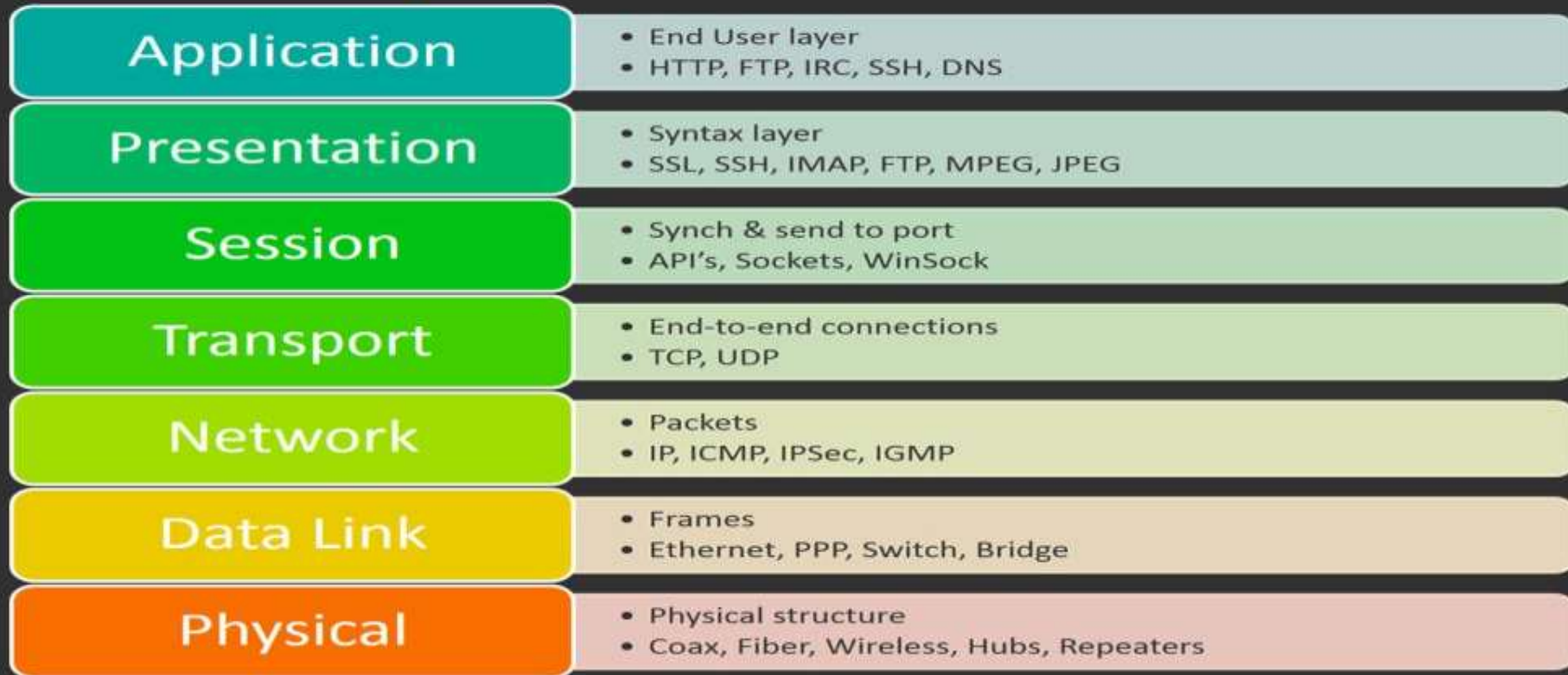
OSI model

Layer	Name	Example protocols
7	Application Layer	HTTP, FTP, DNS, SNMP, Telnet
6	Presentation Layer	SSL, TLS
5	Session Layer	NetBIOS, PPTP
4	Transport Layer	TCP, UDP
3	Network Layer	IP, ARP, ICMP, IPsec
2	Data Link Layer	PPP, ATM, Ethernet
1	Physical Layer	Ethernet, USB, Bluetooth, IEEE802.11



Protocols and Standards

7 Layers of the OSI Model



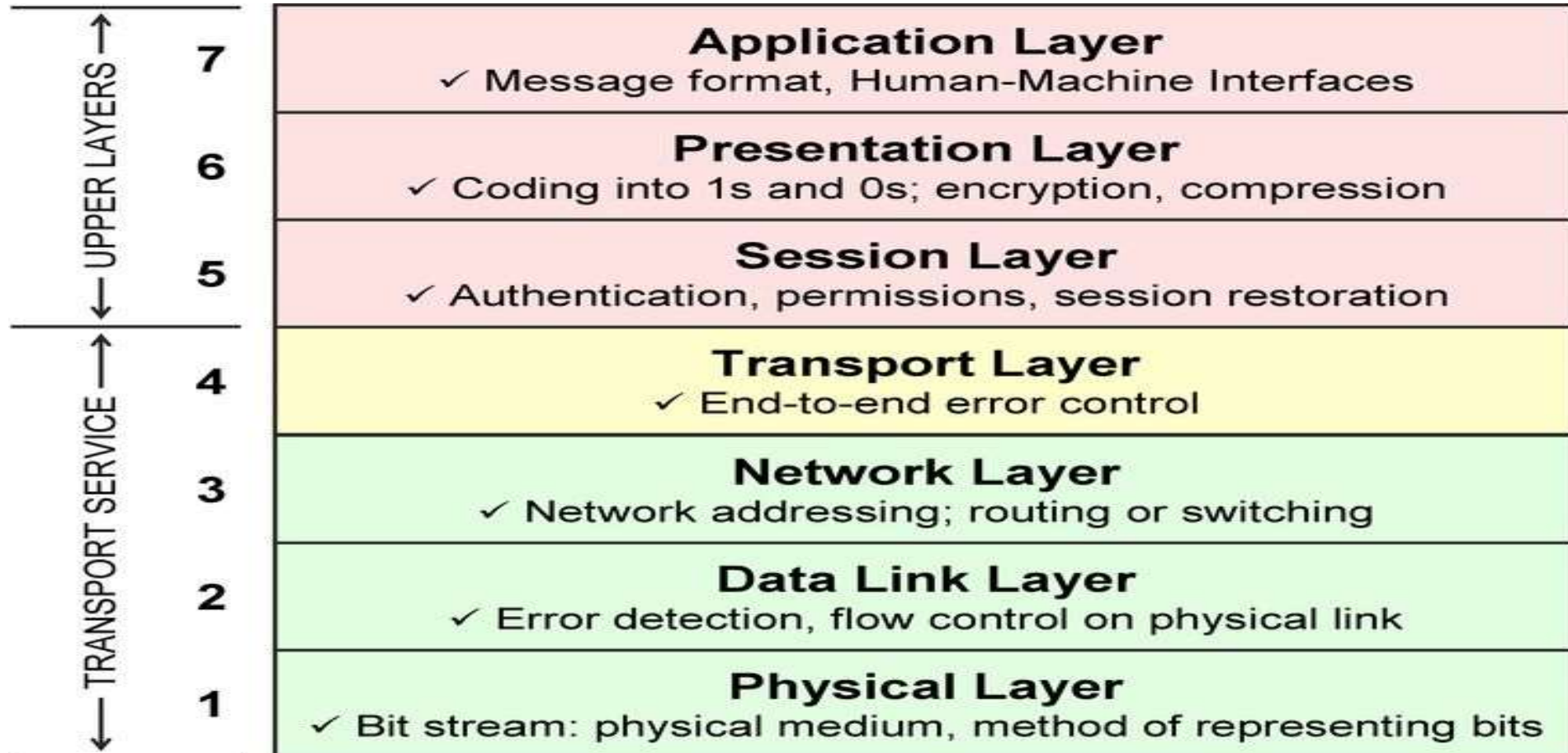


Protocols and Standards

07	Application Layer	Provide user interface where applications can access the network services.
06	Presentation Layer	Ensure that Data is in usable format and perform encryption & decryption.
05	Session Layer	Maintains connection between two host & responsible for controlling ports and sessions.
04	Transport Layer	Transmits data using transmission protocols including TCP & UDP.
03	Network Layer	Moves packets from source to destination to provide internetworking.
02	Data Link Layer	Responsible for the error-free transfer of data frames.
01	Physical Layer	Provides physical medium through which bits are transmitted.



Protocols and Standards





THANK YOU