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**Cybersecurity** (Online) 2:00PM-4:00PM

DIFFERENCE BETWEEEN OSI AND TCP/IP

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| **TCP/IP** | **OSI Model** |
| The full form of TCP/IP is Transmission Control Protocol/ Internet Protocol | The full form of OSI is Open Systems Interconnection |
| It is a communication protocol that is based on standard protocols and allows the connection of hosts over a network | It is a structured model which deals which the functioning of a network |
| In 1982, the TCP/IP model became the standard language of ARPANET | In 1984, the OSI model was introduced by the International Organisation of Standardization (ISO) |
| It comprises of four layers:   * Network Interface * Internet * Transport * Application | It comprises seven layers:   * Physical * Data Link * Network * Transport * Session * Presentation * Application |
| It follows a horizontal approach | It follows a vertical approach |
| The TCP/IP is the implementation of the OSI Model | An OSI Model is a reference model, based on which a network is created |
| It is protocol dependent | It is protocol independent |