- ## **Unit 1**
  - IoT: Internet of Things
  - RFID: Radio Frequency Identification
  - IPv6:   Internet Protocol version 6
  - AI: Artificial Intelligence
  - IIoT: Industrial Internet of Things
  - WSN: Wireless Sensor Network
  - WiFi: Wireless Fidelity
  - LTE: Long-Term Evolution
  - LoRa: Long Range
  - IaaS: Infrastructure as a Service
  - PaaS: Platform as a Service
  - SaaS: Software as a Service
  - M2M: Machine-to-Machine
  - ML: Machine Learning
  - MQTT: Message Queuing Telemetry Transport
  - CoAP: Constrained Application Protocol
  - IEEE: Institute of Electrical and Electronics Engineers
  - LoRaWAN: Long Range Wide Area Network

- **Unit 2**
  - 6LoWPAN: IPv6 over Low-Power Wireless Personal Area Networks
  - AES: Advanced Encryption Standard
  - BLE: Bluetooth Low Energy
  - CoAP: Constrained Application Protocol
  - ETSI: European Telecommunications Standards Institute
  - HF: High Frequency (for RFID)
  - HTTP: HyperText Transfer Protocol
  - I2C: Inter-Integrated Circuit
  - IEEE: Institute of Electrical and Electronics Engineers
  - IoT: Internet of Things
  - IP: Internet Protocol
  - IPv6: Internet Protocol version 6
  - ISO/IEC: International Organization for Standardization/International Electrotechnical Commission
  - LAN: Local Area Network
  - LF: Low Frequency (for RFID)
  - LoRa: Long Range (modulation technique)
  - LoRaWAN: Long Range Wide Area Network
  - LPWAN: Low-Power Wide-Area Network
  - LTE: Long-Term Evolution
  - LTE-M: Long-Term Evolution for Machine-Type Communication
  - M2M: Machine-to-Machine
  - MAC: Media Access Control
  - MQTT: Message Queuing Telemetry Transport
  - NB-IoT: Narrowband Internet of Things
  - NFC: Near Field Communication
  - NR: New Radio (5G standard)
  - OSI: Open Systems Interconnection
  - RFID: Radio Frequency Identification
  - SPI: Serial Peripheral Interface
  - SSL: Secure Sockets Layer
  - TCP: Transmission Control Protocol
  - UART: Universal Asynchronous Receiver-Transmitter

- UHF: Ultra-High Frequency (for RFID)
- UDP: User Datagram Protocol
- WPA3: Wi-Fi Protected Access 3

- **Unit 3**
  - IoT: Internet of Things
  - M2M: Machine-to-Machine
  - API: Application Programming Interface
  - CoAP: Constrained Application Protocol
  - CORE: Constrained RESTful Environment
  - UDP: User Datagram Protocol
  - DTLS: Datagram Transport Layer Security
  - HTTP: HyperText Transfer Protocol
  - TCP: Transmission Control Protocol
  - TLS: Transport Layer Security
  - IPv6/IP: Internet Protocol version 6 / Internet Protocol
  - ROLL: Routing Over Low power and Lossy networks
  - REST: Representational State Transfer
  - RESTful: Representational State Transfer compliant
  - URI: Uniform Resource Identifier
  - URL: Uniform Resource Locator
  - MIME: Multipurpose Internet Mail Extensions
  - JSON: JavaScript Object Notation
  - TLV: Tag Length Value
  - LAN: Local Area Network
  - PSK: Pre-Shared Key
  - RPK: Raw Public Key
  - CA: Certification Authority
  - MQTT: Message Queuing Telemetry Transport
  - SMS: Short Message Service
  - SSL: Secure Sockets Layer
  - AES: Advanced Encryption Standard
  - SOAP: Simple Object Access Protocol
  - SOA: Service-Oriented Architecture
  - RD: Resource Directory
  - QoS: Quality of Service
  - IIoT: Industrial Internet of Things
  - Ver: Version

- T: Type
- TKL: Token Length
- ms: Mirror Server
- rd: Resource Directory
- SMTP: Simple Mail Transfer Protocol

- **Unit 4**
  - IoT - Internet of Things
  - OLTP - Online Transaction Processing
  - ATM - Automated Teller Machine
  - ACVM - Automatic Chocolate Vending Machine
  - CEP - Complex Event Processing
  - ESP - Event Stream Processing
  - BI - Business Intelligence
  - BP - Business Process
  - RFID - Radio Frequency Identification
  - ACPAMS - Automotive Components Predictive Maintenance System
  - DBPS - Distributed Business Process System
  - SOA - Service-Oriented Architecture
  - CRM - Customer Relations Management
  - OLAP - Online Analytical Processing
  - KPI - Key Performance Indicator
  - AI - Artificial Intelligence
  - M2M - Machine-to-Machine
  - SQL - Structured Query Language
  - DBMS - Database Management System
  - ACID - Atomicity, Consistency, Isolation, Durability
  - DDBS - Distributed Database System
  - CAP - Consistency, Availability, Partition Tolerance
  - NoSQL - Not Only SQL
  - SLA - Service Level Agreement
  - CAN - Controller Area Network
  - JSON - JavaScript Object Notation
  - AWS - Amazon Web Services
  - S3 - Simple Storage Service

- **Unit 5**
  - IoT - Internet of Things
  - PaaS - Platform-as-a-Service
  - CUP - Cloud-Connected Universe Platform
  - LPWAN - Low Power Wide Area Network
  - OTP - Over-The-Air Programming
  - RFID - Radio Frequency Identification
  - SCOVARS - Supply Chain Order Verification, Automated Reordering, and Shipping
  - TCS - Tata Consultancy Services
  - CRM - Customer Relationship Management
  - ERP - Enterprise Resource Planning
  - PLC - Programmable Logic Controller
  - API - Application Programming Interface
  - MQTT - Message Queuing Telemetry Transport
  - CoAP - Constrained Application Protocol
  - LoRaWAN - Long Range Wide Area Network
  - IDE - Integrated Development Environment
  - CVS - Concurrent Versions System
  - IFTTT - If This Then That
  - OLAP - Online Analytical Processing
  - OLTP - Online Transaction Processing
  - TCUP - Tata Connected Universe Platform
  - TCCICDD - (No explicit full form provided; contextually refers to Customer Tracking in IoT Applications & Services)
  - ECU - Electronic Control Unit
  - ADAS - Advanced Driver Assistance Systems
  - V2I - Vehicle-to-Infrastructure
  - V2X - Vehicle-to-Everything
  - ACPAMS - Automotive Components Predictive Automotive Maintenance Service
  - RPMP - Re-Planning Manufacturing Process
  - CAN - Controller Area Network
  - LIN - Local Interconnect Network

- MOST - Media-Oriented System Transport
- LTE - Long-Term Evolution
- NB-IoT - Narrowband Internet of Things
- OSGi - Open Services Gateway initiative
- REST - Representational State Transfer
- URI - Uniform Resource Identifier
- POSE - Point of Sale End
- PE - Production End
- SE - Supply End
- SN - Shipping Node
- SHE - Shipping End
- SOE - Sales Organization End
- HTTPS - Hypertext Transfer Protocol Secure
- TCP - Transmission Control Protocol
- UDP - User Datagram Protocol
- SQL - Structured Query Language
- NoSQL - Not only Structured Query Language
- Wi-Fi - Wireless Fidelity
- WiMax - Worldwide Interoperability for Microwave Access
- ZigBee - (No explicit full form; a wireless communication standard named after the "zigzag" dance of bees)
- NFC - Near Field Communication
- HDMI - High-Definition Multimedia Interface
- SAE - Society of Automotive Engineers