**TASK 26 (CSI’25)**

# 1. Types of Power BI Licensing

Power BI offers several licensing options to cater to different user needs and organizational sizes. The main types of Power BI licenses are:

* **Power BI Free:** Ideal for personal use and learning. Allows individual users to connect to data and create reports in the Power BI Desktop.
* **Power BI Pro:** A paid license designed for individuals who need to share, publish, and collaborate on reports and dashboards within their organization.
* **Power BI Premium Per User (PPU):** Combines the features of Pro with additional capabilities like AI, paginated reports, and larger dataset handling.
* **Power BI Premium Capacity:** Designed for enterprise-scale deployments. It offers dedicated cloud capacity, enhanced performance, and broader data capabilities.
* **Power BI Embedded:** Targets developers and ISVs who want to embed dashboards and reports into their applications for external users.

# 2. Difference Between All Types of Licensing

* **Power BI Free vs Pro:** Free users cannot share content or collaborate; Pro users can publish, share, and collaborate with others in their organization.
* **Pro vs Premium Per User:** Premium Per User includes Pro features plus AI capabilities, paginated reports, and larger data model support.
* **Premium Per User vs Premium Capacity:** PPU is for individual users; Premium Capacity is for organizations that need dedicated resources and wide content distribution.
* **Premium vs Embedded**: Premium is for internal enterprise users; Embedded is for developers embedding reports for external use in their apps.

# 3. Benefits of Power BI Premium Over Power BI Pro

Power BI Premium offers several advantages over the Pro license, including:

* **Dedicated Capacity:** Premium provides dedicated resources ensuring consistent performance and reliability.
* **Larger Dataset Support:** Premium allows up to 400 GB datasets compared to 1 GB in Pro.
* **Paginated Reports:** Support for pixel-perfect paginated reports which are not available in Pro.
* **AI Capabilities:** Access to machine learning models, cognitive services, and AutoML.
* **Multi-Geo Deployment:** Store data in different geographic locations for compliance.
* **Dataflow and XMLA Endpoint:** Advanced features for data modeling and management.
* **Wider Sharing:** Distribute content to users without requiring them to have a Pro license (in Premium Capacity).